

## Recombinant Human FOXI1 Protein, GST-tagged

**Cat. No.** FOXI1-4454H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| <b>Product Overview</b> | Human FOXI1 full-length ORF ( NP_658982.1, 1 a.a. - 283 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>      | This gene belongs to the forkhead family of transcription factors which is characterized by a distinct forkhead domain. The specific function of this gene has not yet been determined; however, it is possible that this gene plays an important role in the development of the cochlea and vestibulum, as well as embryogenesis. Mutations in this gene may be associated with the common cavity phenotype. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Molecular Mass</b>   | 57.20 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>AA Sequence</b>      | MSSF <del>D</del> L <del>P</del> A <del>P</del> S <del>P</del> P <del>R</del> C <del>S</del> P <del>Q</del> F <del>S</del> I <del>G</del> Q <del>E</del> P <del>P</del> E <del>M</del> N <del>L</del> Y <del>E</del> N <del>F</del> F <del>H</del> P <del>Q</del> G <del>V</del> P <del>S</del> P <del>Q</del> R <del>P</del> S <del>F</del> E <del>G</del> G <del>G</del> E <del>Y</del><br>GAT <del>P</del> N <del>P</del> Y <del>L</del> W <del>F</del> N <del>G</del> P <del>T</del> M <del>T</del> P <del>P</del> P <del>Y</del> L <del>P</del> G <del>P</del> N <del>A</del> S <del>P</del> F <del>L</del> P <del>Q</del> A <del>Y</del> G <del>V</del> Q <del>R</del> P <del>L</del> L <del>P</del> S <del>V</del> S <del>G</del> L <del>G</del> G <del>S</del> D <del>L</del> G <del>W</del><br>P <del>I</del> P <del>S</del> Q <del>E</del> E <del>L</del> M <del>K</del> L <del>V</del> R <del>P</del> P <del>Y</del> S <del>S</del> A <del>L</del> I <del>A</del> M <del>A</del> I <del>H</del> G <del>A</del> P <del>D</del> K <del>R</del> L <del>T</del> S <del>Q</del> I <del>Y</del> Q <del>Y</del> V <del>A</del> D <del>N</del> F <del>P</del> F <del>Y</del> N <del>K</del> S <del>K</del> A <del>G</del> W<br>Q <del>N</del> S <del>I</del> R <del>H</del> N <del>L</del> S <del>L</del> N <del>D</del> C <del>F</del> K <del>K</del> V <del>P</del> R <del>D</del> E <del>D</del> D <del>P</del> A <del>Y</del> V <del>S</del> G <del>G</del> S <del>P</del> T <del>S</del> H <del>P</del> L <del>V</del> T <del>P</del> G <del>L</del> S <del>P</del> E <del>P</del> S <del>D</del> K <del>T</del> G <del>Q</del> N <del>S</del> L <del>T</del><br>F <del>N</del> S <del>F</del> S <del>P</del> L <del>T</del> N <del>L</del> S <del>N</del> H <del>S</del> G <del>G</del> D <del>W</del> A <del>N</del> P <del>M</del> P <del>T</del> N <del>M</del> L <del>S</del> Y <del>G</del> G <del>S</del> V <del>L</del> S <del>Q</del> F <del>S</del> P <del>H</del> F <del>Y</del> N <del>S</del> V <del>N</del> T <del>S</del> G <del>V</del> L <del>Y</del> P <del>R</del><br>E <del>G</del> T <del>E</del> V |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

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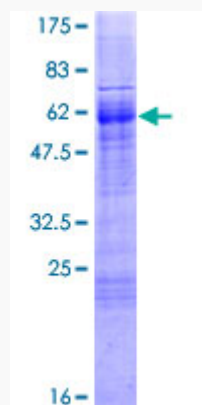
|                         |                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                         | Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array                                                                                                                                                                                                                                                               |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                                                                                                                                                                                                   |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                 |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                                                                                 |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                          |
| <b>Gene Name</b>        | FOXI1 forkhead box I1 [ Homo sapiens ]                                                                                                                                                                                                                                                                                                   |
| <b>Official Symbol</b>  | FOXI1                                                                                                                                                                                                                                                                                                                                    |
| <b>Synonyms</b>         | FOXI1; forkhead box I1; FKHL10; forkhead box protein I1; FREAC6; forkhead-like 10; HNF-3/fork-head homolog 3; HNF-3/fork-head homolog-3; forkhead-related activator 6; forkhead-related protein FKHL10; forkhead-related transcription factor 6; hepatocyte nuclear factor 3 forkhead homolog 3; HFH3; FKHL10; HFH-3; FREAC-6; MGC34197; |
| <b>Gene ID</b>          | 2299                                                                                                                                                                                                                                                                                                                                     |
| <b>mRNA Refseq</b>      | NM_012188                                                                                                                                                                                                                                                                                                                                |
| <b>Protein Refseq</b>   | NP_036320                                                                                                                                                                                                                                                                                                                                |
| <b>MIM</b>              | 601093                                                                                                                                                                                                                                                                                                                                   |
| <b>UniProt ID</b>       | Q12951                                                                                                                                                                                                                                                                                                                                   |

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**Quality Control  
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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