

## Recombinant Human FOXO1 Protein, GST-tagged

**Cat. No.** FOXO1-4469H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human FOXO1 partial ORF (NP_002006.2, 452 a.a. - 555 a.a.) recombinant protein with GST tag at N-terminal.                                                                                                                                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                 |
| <b>ProteinLength</b>    | 452-555 a.a.                                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>      | This gene belongs to the forkhead family of transcription factors which are characterized by a distinct forkhead domain. The specific function of this gene has not yet been determined; however, it may play a role in myogenic growth and differentiation. Translocation of this gene with PAX3 has been associated with alveolar rhabdomyosarcoma. [provided by RefSeq] |
| <b>Molecular Mass</b>   | 37.07 kDa                                                                                                                                                                                                                                                                                                                                                                  |
| <b>AA Sequence</b>      | MSQYNCAPGLLKELLTSDSPPHNDIMTPVDPGVAQPNSRVLGQNVMMGPNSVMST<br>YGSQASHNKMMNPSSHTHPGHAQQTSAVNGRPLPHTVSTMPHTSGMNRL                                                                                                                                                                                                                                                               |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array                                                                                                                                                                                                                                                          |

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|                       |                                                                          |
|-----------------------|--------------------------------------------------------------------------|
| <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. |

## GENE INFORMATION

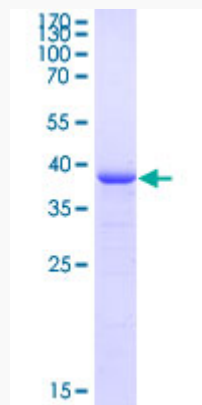
|                        |                                                                                                                                                                                                           |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | FOXO1 forkhead box O1 [ Homo sapiens ]                                                                                                                                                                    |
| <b>Official Symbol</b> | FOXO1                                                                                                                                                                                                     |
| <b>Synonyms</b>        | FOXO1; forkhead box O1; FKHR, forkhead homolog in rhabdomyosarcoma, FOXO1A; forkhead box protein O1; FKH1; forkhead box protein O1A; forkhead, Drosophila, homolog of, in rhabdomyosarcoma; FKHR; FOXO1A; |
| <b>Gene ID</b>         | 2308                                                                                                                                                                                                      |
| <b>mRNA Refseq</b>     | NM_002015                                                                                                                                                                                                 |
| <b>Protein Refseq</b>  | NP_002006                                                                                                                                                                                                 |
| <b>MIM</b>             | 136533                                                                                                                                                                                                    |
| <b>UniProt ID</b>      | Q12778                                                                                                                                                                                                    |

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**Quality Control  
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue

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