

# Recombinant Full Length Human SOHLH2 Protein, GST-tagged

**Cat. No.** SOHLH2-4888HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| <b>Product Overview</b> | Human FLJ20449 full-length ORF ( AAH25383, 1 a.a. - 225 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | 225 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | <p>This gene encodes one of testis-specific transcription factors which are essential for spermatogenesis, oogenesis and folliculogenesis. This gene is located on chromosome 13. The proteins encoded by this gene and another testis-specific transcription factor, SOHLH1, can form heterodimers, in addition to homodimers. There is a read-through locus (GeneID: 100526761) that shares sequence identity with this gene and the upstream CCDC169 (GeneID: 728591). Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2013]</p> |
| <b>Molecular Mass</b>   | 50.49 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>AA Sequence</b>      | <p>MASSIICQEHQCQISGQAKIDILLVGDVTVGYLADTVQKLFANIAEVTITISDTKEAAALLD<br/> DCIFNMVLLKVPSSLSAELEAIKLIRFGKKKNTHSLFVFIIPENFKGCISGHGMDIALT<br/> EPLTMEKMSNVVVKYWTTCPSTNTVKTENATGPEELGLPLQRSYSEHLGYFPTDLFAC<br/> SESLRNGNGLELNASLSEFEKNKKISLLHSSKEKLRRLYRKHSSFCFW</p>                                                                                                                                                                                                                                                                                                                                                      |

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|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>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>        | SOHLH2 spermatogenesis and oogenesis specific basic helix-loop-helix 2 [ Homo sapiens ]                                                                                                          |
| <b>Official Symbol</b>  | SOHLH2                                                                                                                                                                                           |
| <b>Synonyms</b>         | SOHLH2; spermatogenesis and oogenesis specific basic helix-loop-helix 2; spermatogenesis- and oogenesis-specific basic helix-loop-helix-containing protein 2; bHLHe81; FLJ20449; TEB1; FLJ57222; |
| <b>Gene ID</b>          | 54937                                                                                                                                                                                            |
| <b>mRNA Refseq</b>      | NM_017826                                                                                                                                                                                        |
| <b>Protein Refseq</b>   | NP_060296                                                                                                                                                                                        |
| <b>MIM</b>              | 616066                                                                                                                                                                                           |
| <b>UniProt ID</b>       | Q9NX45                                                                                                                                                                                           |

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