

## Recombinant Mouse Frs3 Protein, His-tagged

**Cat. No.** Frs3-1525M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| <b>Product Overview</b> | Recombinant Mouse Frs3 Protein (Ser3-Leu492) with N-His tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ProteinLength</b>    | Ser3-Leu492                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | Predicted to enable fibroblast growth factor receptor binding activity; identical protein binding activity; and transmembrane receptor protein tyrosine kinase adaptor activity. Predicted to be involved in fibroblast growth factor receptor signaling pathway. Predicted to be located in membrane. Predicted to be active in cytoplasm. Is expressed in several structures, including central nervous system; gut; immune system; lung; and metanephros. Orthologous to human FRS3 (fibroblast growth factor receptor substrate 3). |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 57.5 kDa<br>Accurate Molecular Mass: 58 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Purity</b>           | > 90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

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|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>        | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| <b>Storage</b>          | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.                                                                                                                                                                                                                 |
| <b>Storage Buffer</b>   | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.                                                                                                                                                                                                                                                                      |
| <b>Reconstitution</b>   | Reconstitute in PBS or others.                                                                                                                                                                                                                                                                                                               |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                              |
| <b>Gene Name</b>        | <b>Frs3</b> fibroblast growth factor receptor substrate 3 [ <i>Mus musculus</i> (house mouse) ]                                                                                                                                                                                                                                              |
| <b>Official Symbol</b>  | <b>Frs3</b>                                                                                                                                                                                                                                                                                                                                  |
| <b>Synonyms</b>         | FRS3; fibroblast growth factor receptor substrate 3; FRS2-beta; FGFR substrate 3; suc1-associated neurotrophic factor target 2 (FGFR signalling adaptor); Snt2; AI449674; Frs2beta; 4930417B13Rik; MGC25496;                                                                                                                                 |
| <b>Gene ID</b>          | <b>107971</b>                                                                                                                                                                                                                                                                                                                                |
| <b>mRNA Refseq</b>      | <b>NM_144939</b>                                                                                                                                                                                                                                                                                                                             |
| <b>Protein Refseq</b>   | <b>NP_659188</b>                                                                                                                                                                                                                                                                                                                             |
| <b>UniProt ID</b>       | <b>Q91WJ0</b>                                                                                                                                                                                                                                                                                                                                |

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