

## Recombinant Human TMPRSS6 protein, GST-tagged

**Cat. No.** TMPRSS6-126H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| <b>Product Overview</b> | Recombinant Human TMPRSS6(1 a.a. - 461 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Protein Length</b>   | 1 a.a. - 461 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Form</b>             | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Molecular Mass</b>   | 78 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>AA Sequence</b>      | <p>MLLLFHSKRMPVAEAPQVAGGQGDGGDGEEAEPEGMFKACEDSKRKARGYLRLV<br/> PLFVLLALLVLASAGVLLWYF LGYKAEVMVSVQVYSGSLRVLNRHFSQDLTRRESSA<br/> FRSETAKAQKMLKELITSTRLGTYYNSSSVYSFGEGPLTC FFWFILQIPEHRRMLMLSP<br/> EVVQALLVEELLSTVNSSAAVPYRAEYEVDP EGLVILEASVKDIAALNSTLG CYRYS Y<br/> VGQGQVLR LKGP DHLASSCLWHLQGPKDLMLKLRLEWTLAECDRLAMYDVAGPL<br/> EKRLITSVYGCSRQEPVVE VLASGAIMAVVWKKGLHSYYDPFVLSVQPVVVFQACEV<br/> NLTDNR LDSQGV LSTPYFPSYSPQTHCSWHLTVPSL DYGLALWFDAYALRRQK<br/> YDLPCTQGQWTIQNRRYHFLSSLWLPFLPPPPSLPSSTVTPSLEAQVPNLRGAARG<br/> AS RGWGWQCACCP</p> |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; 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>GENE INFORMATION</b>    |                                                                                                                                                                                                           |
| <b>Gene Name</b>           | TMPRSS6 transmembrane protease, serine 6 [ Homo sapiens ]                                                                                                                                                 |
| <b>Official Symbol</b>     | TMPRSS6                                                                                                                                                                                                   |
| <b>Synonyms</b>            | TMPRSS6; transmembrane protease, serine 6; transmembrane protease serine 6; FLJ30744; matriptase-2; type II transmembrane serine protease 6; membrane-bound mosaic serine proteinase matriptase-2; IRIDA; |
| <b>Gene ID</b>             | 164656                                                                                                                                                                                                    |
| <b>mRNA Refseq</b>         | NM_153609                                                                                                                                                                                                 |
| <b>Protein Refseq</b>      | NP_705837                                                                                                                                                                                                 |
| <b>MIM</b>                 | 609862                                                                                                                                                                                                    |
| <b>UniProt ID</b>          | Q8IU80                                                                                                                                                                                                    |
| <b>Chromosome Location</b> | 22q13.1                                                                                                                                                                                                   |
| <b>Function</b>            | peptidase activity; serine-type endopeptidase activity;                                                                                                                                                   |