

Recombinant Human TMPRSS4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TMPRSS4-6343H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	<p>TMPRSS4 MS Standard C13 and N15-labeled recombinant protein (NP_001077416) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.</p>
Species	Human
Source	HEK293
Description	<p>This gene encodes a member of the serine protease family. Serine proteases are known to be involved in a variety of biological processes, whose malfunction often leads to human diseases and disorders. This gene was identified as a gene overexpressed in pancreatic carcinoma. The encoded protein is membrane bound with a N-terminal anchor sequence and a glycosylated extracellular region containing the serine protease domain. Multiple transcript variants encoding different isoforms have been found for this gene.</p>
Molecular Mass	47.5 kDa
AA Sequence	<p>MLQDPDSDQPLNSLDVKPLRKPRIPMETFRKVGIPIIIIALLSLASIIIVVVLIVLDKYYFL CGQPLHFIPRKQLCDGELDCPLGEDEEHCVKSFPEGPAVAVRLSKDRSTLQVLDSA TGNWFSACFDNFTEALAEACRQMGYSRAVEIGPDQDLDDVVEITENSQELRMRNSS GPCLSGSLVSLHCLACGKSLKTPRVVGGEASVDSWPWQVSIQYDKQHVCSSIL DPHWVLTAAHCFRKHTDVFNWKVRAGSDKLGSFPLAVAKIIIEFNPMYPKDNDIAL MKLQFPLTFSGTVRPICLPFFDEELTPATPLWIIGWGFTKQNGGKMSDILLQASVQVI</p>

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DSTRCNADDAYQGEVTEKMMCAGIPEGGVDTCQGDSSGGLMYQSDQWHVVGIVS
WGYGCGGPSTPGVYTKVSAYLNWIYNVWKAELTRTRPLEQKLISEEDLAANDILDYK
DDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [TMPRSS4 transmembrane serine protease 4 \[Homo sapiens \(human\) \]](#)

Official Symbol [TMPRSS4](#)

Synonyms TMPRSS4; transmembrane protease, serine 4; transmembrane protease serine 4; membrane type serine protease 2; MT SP2; TMPRSS3; transmembrane serine protease 3; type II membrane serine protease; channel-activating protease 2; membrane-type serine protease 2; CAPH2; MT-SP2;

Gene ID [56649](#)

mRNA Refseq [NM_001083947](#)

Protein Refseq [NP_001077416](#)

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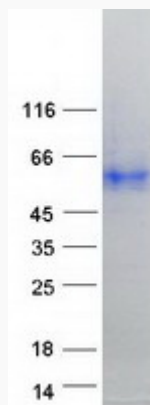
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MIM 606565

UniProt ID Q9NRS4

SDS-PAGE



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