

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

Cat. No. TMPRSS4-4214H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

TMPRSS4 MS Standard C13 and N15-labeled recombinant protein (NP_063947) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

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.

Molecular Mass

48.2 kDa

AA Sequence

MLQDPDSDQPLNSLDVKPLRKPRIPMETFRKVGIPIIIALLSLASIIIVVVLKIVILDKYYFL
CGQPLHFIPRKQLCDGELDCPLGEEHCVKSFPEGPAVAVRLSKDRSTLQVLDSA
TGNWFSACFDNFTEALAEACRQMGYSSKPTFRAVEIGPDQDLDVVEITENSQELR
MRNSSGPCLSGSLVSLHCLACGKSLKTPRVVGGEEASVDSWPWQVSIQYDKQHVC
GGSILDPHWLTAAHCFRKHTDVFNWKVRAGSDKLGSFPSLAVAKIIIIIEFNPMYPKD
NDIALMKLQFPLTFSGTVRPICLPFFDEELTPATPLWIIGWGFTKQNGGKMSDILLQA

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SVQVIDSTRCNADDAYQGEVTEKMMMCAGIPEGGVDTCCQGDSSGGPLMYQSDQWHV
 VGIVSWGYGCGGPSTPGVYTKV/SAYLNWIYNVWKAELTRTRPLEQKLISEEDLAAN
 DILDYKDDDDKV

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_019894](#)

Protein Refseq [NP_063947](#)

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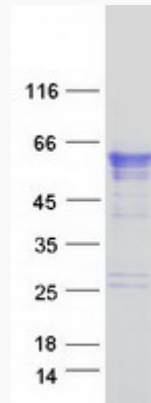
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MIM 606565

UniProt ID Q9NRS4

SDS-PAGE



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