

Recombinant Mouse TMPRSS6 Protein (81-811 aa), His-Myc-tagged

Cat. No. TMPRSS6-2746M **Lot. No.** (See product label)

SPECIFICATION

Product Overview Recombinant Mouse TMPRSS6 Protein (81-811 aa) is produced by Baculovirus expression system. This protein is fused with a 10xHis tag at the N-terminal and a Myc tag at the C-terminal. Research Area: Cell Biology. Protein Description: Partial.

Species Mouse

Source Insect Cells

ProteinLength 81-811 aa

Description Serine protease which hydrolyzes a range of proteins including type I collagen, fibronectin and fibrinogen. Can also activate urokinase-type plasminogen activator with low efficiency. May play a specialized role in matrix remodeling processes in liver. Through the cleavage of HFE2, a regulator of the expression of the iron absorption-regulating hormone hepcidin/HAMP, plays a role in iron homeostasis.

Form Tris-based buffer,50% glycerol

Molecular Mass 86.1 kDa

AA Sequence KAEVTVSQVYSGSLRVLNRHFSQDLGRRESIAFRSESAKAQKMLQELVASTRLGTY
YNSSSVYSFGEGPLTCFFWFILDIPEYQRLTLSPEVVRELLVDELLSNSSTLASYKTE
YEVDPEGLVILEASVNDIVVLNSTLGCYRYSYVNPQGQVLPLKGPDQQTTSCWLHLQG
PEDLMIKVRLEWTRVDCRDRVAMYDAAGPLEKRLITSVYGCSRQEPVMEVLASGSV

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MAVVWKKGMHSYYDPFLLSVKSVAFQDCQVNLTLLEGRLDTQGFLRTPYYPSYSP
 STHCSWHLTVPSLDYGLALWFDAYALRRQKYNRLCTQGQWMIQNRRLCGFRTLQP
 YAERIPMVASDGVNTINFTSQISLTGPGVQVYYSLYNQSDPCPGEFLCSVNGLCVPAC
 DGIKDCPNGLDERNCVCRAMFQCQEDSTCISLPRVCDRQPDCLNGSDEEQCQEGV
 PCGTFTFQCEDRSCVKKPNPECDGQSDCRDGSDEQHCDCLQLGLSSRIVGGTVSS
 EGEWPWQASLQIRGRHICGGALIADRWWITAACHCFQEDSMASPKLWTVFLGKMRQ
 NSRWPGEVSFKVSRLFLHPYHEEDSHDYDVALLQLDHPVVYSATVRPVCLPARSHF
 FEPGQHCWITGWGAQREGGPVSNLQKVDVQLVPQDLCEAYRYQVSPRMLCAG
 YRKGKKDACQGDSGGPLVCREPSGRWFLAGLVSWGLGCGRPNFFGVYTRVTRVI
 NWIQQVLT

Purity > 85% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Gene Name [Tmprss6 transmembrane serine protease 6 \[Mus musculus \]](#)

Official Symbol [TMPRSS6](#)

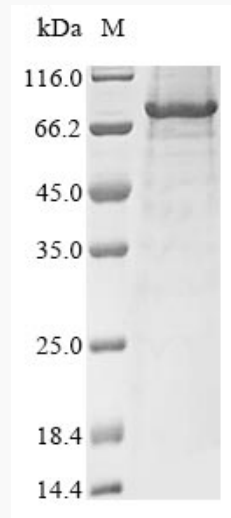
Synonyms TMPRSS6; matriptase 2; matriptase-2; type II transmembrane serine protease 6;

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1300008A22Rik;

Gene ID 71753**mRNA Refseq** NM_027902**Protein Refseq** NP_082178**UniProt ID** Q9DBI0

(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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