

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 YNSSSVYSFGEGPLTCFFWFILDIPEYQRLTSLPEVVRELLVDELLSNSSTLASYSKTE YEVDPEGLVILEASVNDIVVLNSTLGCYRYSYVNPQVLPKGPDQQTTSCLWHLQG PEDLMIKVRLEWTRVDCRDRVAMYDAAGPLEKRLITSVYGCSRQEPVMEVLASGSV

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MAVVWKKGMHSYYDPFLLSVKSVAFQDCQVNLTLLEGRLDTQGFLRTPYYPSYYSP
 STHCSWHLTVPSLDYGLALWFDAYALRRQKYNRLCTQGQWMIQNRRLCGFRTLQP
 YAERIPMVASDGVNTINFTSQISLTGPGVQVYYSLYNQSDPCPGEFLCSVNGLCVPAC
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 EGEWPWQASLQIRGRHICGGALIADRWVITAACHCFQEDSMASPKLWTVFLGKMRQ
 NSRWPGEVSFKVSRLFLHPYHEEDSHDYDVALLQLDHPVVYSATVRPVCLPARSHF
 FEPGQHCWITGWGAQREGGPVSNLQKVDVQLVPQDLCSEAYRYQVSPRMLCAG
 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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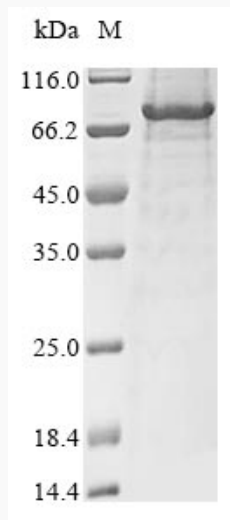
1300008A22Rik;

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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