

Product datasheet for **MC221746**

Tmprss6 (NM_027902) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmprss6 (NM_027902) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tmprss6
Synonyms:	1300008A22Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221746 representing NM_027902
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGAGATGTTCCAGCTCCCCTGTTCTACCAGGATGCCACCACCGAGTCCCCAAGCGGCTGATG
 GTCAGGGCGATGCGGGTATGGAGAGGAAGCTGCTGAGCCAGAGGGAAGTTCAAGCCCCAAAAACAC
 CAAGAGAAAAACCGGGACTACGTCCGCTTACGCCACTGTTGCTGGTCTTGCTGCGCTGGTCTCAGCA
 GGGGTCATGCTTTGGTATTTCTAGGGTACAAAGCGGAAGTGACCGTAAGCCAGGTGACTCTGGCAGCC
 TCCGGGTGCTCAACCGTCATTTCTCCAGGACCTGGGCCAGCGGAGTCTATTGCTTTCCGAGTGAATC
 TGCCAAAGCCCAGAAGATGCTCCAAGAAGTGGTGGCAGCACCCGCTGGTACTTACTACAACCTAGT
 TCTGTCTACTCCTTTGGGAGGGACCCCTCACCTGCTTCTTGGTTTATCCTTGACATCCCTGAGTACC
 AGCGACTGACCCTGAGCCCTGAAGTAGTGCAGGAGCTCCTGGTGGATGAGCTACTGTCCAACAGCTCAAC
 CCTGGCTTCTATAAGACCGAATATGAGGTGGACCCGGAAGGCCGGTGCCTGGAAGCCAGTGTGAAC
 GACATAGTCGACTGAATTCACGCTGGGCTGTTATCGCTACAGCTATGTGAACCCAGGCCAGGTCTCC
 CATTGAAGGGGCCTGACCAGCAGACCACAGCTGCCTGTGGCATCTGCAAGGGCCCGAAGACCTCATGAT
 CAAAGTGCGGCTGGAGTGGACCCGGTTCGATTGCAGAGACAGGGTGGCGATGTACGACGAGCTGGGCC
 CTGGAGAAGAGACTTATCACCTCGGTCTATGGGTGCAGCCGCCAGGAACCTGTGATGGAGGTGCTGGCAT
 CGGGCTCCGTATGGCCGTGGTGTGAAAAAGGGCATGCATAGCTACTATGACCCTTTCTGCTCTCAGT
 GAAGTCTGTGGCCTTCCAGGACTGCCAGGTGAACCTGACACTGGAGGGCCGGTGGACACACAGGGCTTC
 CTCCGTACACCCTACTACCCAGTTACTACTCTCCAGTACCCACTGCTCCTGGCATCTCACGGTACCCT
 CTCTGGACTACGGCTTGGCGCTGTTGTTGATGCCTACGCACTGAGGAGGCAGAAGTACAACCGATGTG
 TACTCAGGGCCAGTGGATGATCCAGAACAGGAGGCTGTGTGGCTCCGTACCCTGCAGCCATATGCTGAG
 AGGATCCCATGTTGGCCTCAGATGGTGTACCATCAACTTACCTCCAGATCTCCCTCACAGGCCGG
 GTGTGCAAGTGTACTACAGTTGTACAACCAATCAGACCCTGCCTGGTGGTTCCTCTGCTCTGTGAA
 TGGACTGTGTGCTCCGTGACGGGATCAAGGACTGCCCAATGGCCTGGATGAGAGAACTGTGTC
 TGCAGAGCCATGTTCCAGTGCCAAGAGGACAGCACGTGCATTTCACTGCCTAGAGTCTGTGACCGGCAGC
 CCGACTGTCTCAATGGCAGTGACGAAGAAGTGCAGGAAGGAGTGCCTGTGGGACATTCACCTTTCCA
 GTGTGAGGACCGAGCTGTGTGAAGAAGCCCAACCCAGAGTGTGACGGCCAGTCAAGTGCAGAGACGGC
 TCAGATGAGCAACTGTGACTGTGGCCTCCAGGGCCTCCTCAGCCGATTGTGGGCGGGACCGTGTCT
 CCGAGGGTGAGTGGCCATGGCAGGCCAGCTCCAGATTCGGGGTGCAGACATCTGTGGGGGGCTCTCAT
 CGCTGACCCTGGGTATAACGGCCGCCACTGCTTCCAGGAGGACAGCATGGCCTCCCCGAAGCTGTGG
 ACCGTGTTCTGGGAAAGATGCGGCAGAACTCGCGCTGGCCAGGCGAGGTGTCCTTCAAGGTGAGCCGTC
 TGTTCTCGACCCGTACCACGAGGAGGACAGCCATGACTACGACGTGGCCCTGCTGCAGCTCGACACCC
 CGTGGTGTACTCGGCCACTGTGCGCCCCGTGCTGCTGCTGCCCCTCCACTTCTTTGAGCCAGGCCAG
 CACTGTGGATCACAGGCTGGGGAGCCAGCGAGAGGGTGGTCCGGTGAACAACCCCTGCAGAAGGTGG
 ACGTACAGTGGTCCCTCAGGACCTCTGCAGTGAAGGCTACCCTACCAGGTGTCCCACGCATGCTCTG
 TGCTGGTACCAGCAAGGGCAAGAAAGATGCCTGCCAGGGTACTCTGGAGGCCACTGGTTTGCAGGGAG
 CCCAGTGGCCGCTGGTTCTGGCAGGGTTGGTTAGCTGGGGCCTGGGCTGTGGCCGACCCAAATTTCTTTG
 CGGTCTACACCCGTGCACACGTGTGATCAACTGGATCCAGCAGGTGCTGAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_027902
Insert Size: 2436 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_027902.2 , NP_082178.2
RefSeq Size:	3206 bp
RefSeq ORF:	2436 bp
Locus ID:	71753
UniProt ID:	Q9DBI0
Cytogenetics:	15 E1
Gene Summary:	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 HJV, a regulator of the expression of the iron absorption-regulating hormone hepcidin/HAMP, plays a role in iron homeostasis.[UniProtKB/Swiss-Prot Function]