

Product datasheet for **MC204660**

Tmprss2 (NM_015775) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmprss2 (NM_015775) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tmprss2
Synonyms:	D16Ertd61e
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC054348
 GCCTTTCTGGCCGTTCCCTCCTTCTGGCCGAGGTGCCTGCGTTTAGGGGTGTCACCCTGGCTCCCGGGA
 CGCCGCCCTCCGGAGATTTAAGCGAGAAGTGGAGTAGGTCGTGTACTTGGAGCGGACGAGGAAGCCAAGAG
 CTCGGACAGAGGCGGAGAGGGGCGGGAAGCGCAACAGGTACCTGGAGGAAGCCCCATACTGACCTCCTC
 ATGCTGCTGACACAGGCAGGATGGCATTGAACTCAGGGTACCTCCAGGAATCGGACCTTGCTATGAGAA
 CCACGGGTATCAGTCTGAGCACATCTGTCTCCGAGACCAGTGGCTCCCAATGGCTACAACCTTGAT
 CCAGCCAGTACTACCCATCTCCAGTGCCTCAGTATGCTCCGAGGATTACAACGCAAGCCTCAACATCTG
 TCATCCACACACATCCCAAGTCCTCAGGAGCACTGTGCACCTCAAAGTCTAAGAAATCGCTGTGTTAGC
 CCTCGCCCTGGGCACTGTCTCACGGGAGCTGCTGGCTGCTGTCTTGCTTTGGAGTTCTGGGACAGC
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 GGGTAGCACATTGTCCCAACGGAGAAGATGAGAACCGTTGTTCGTCTCTACGGACAAAGCTTCATCCT
 CCAGGTTTACTCATCTCAGAGGAAAGCCTGGTATCCCCTGTGCCAGGATGATTGGAGTGAGACTACGGG
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 ACAACAACCTAATCACACCAGCCATGATCTGTGCCGGCTTCTCCAGGGTCTGTGCACTTTGCCAGGG
 AGACAGTGGAGGGCCGCTGGTTACTTTGAAGAATGGGATCTGGTGGCTGATTGGGGACACAGCTGGGGC
 TCGGGCTGTGCCAAGGCACTCAGACCTGGAGTATACGGGAACGTGACGGTATTTACAGATTGGATCTACC
 AGCAAATGAGGGCGAACAGCTAATCCACGTGGCTTTGTCCAGACTTCCTTTGTCTTCAACAACCTTCTG
 CAAGAAAACCAAGGGCTGAATTTAACTTCTGTGCACAATGTACCTTTTGAGATGATTGGAAGGGCT
 TTCCTTTTAAACAGTACTGTTTACTGTGCTCCCTGGTCTGTGAGGGCTTCAGTGCCCCACCC
 CTGGGCCACTTCTGCAGTCCCACCAGAATGGATGACCAGATTCTGTTGGGTTTGGGCACATAGGGCCAA
 AGGCAGAGGAGGGTGGCACTCTCATGTTGGAACCTCTTTTGGGCTCATGCTCAGGCTTTTTTGGATCAC
 TAAGGACTATGACCTCTGAGTAACCTGATGACCTGAGAAAGGTAAAGAGGCCAGGCAGGGCCTTGGGCC
 CAGGAACAGGTACCTTGAGAGTGAGAGCTACCCATTGCCTGTGGCTAAATCTGCTGTGCAGGTTGGGCT
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 CCTAGTACCTGATGGAGCCTGTATAGCTCAGCTAATCAAATGGAGGCTCAGGTCCATCAGAATCAGGGAC
 TTGTGATTTTCACTCACCTTCTTCTGGGTTGTGTTTCTTCTTACTACCTCACTGCACCTGGACACTAG
 AGTGGATGAATGTCTGGAGTTCACCTGCATTTGGACTGTGTGATTGTGCCTCAGACACTAGACCTTTCC
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 ATATGAAGTATGAATGTCTTACCACGGTGGGCTCTGCCTCCTTCTCTCTGCCTGGTTCTTCAAGGC
 AGTGAATGGGTCATAACTGGGACTCCATCTTTGCTGGGAAAGTCTCCACCTAGGGAATGGTTACCACT
 CCATGTAAGAAAACCTCCTCATGCGTCTCTGGGACCTTCTTAGATGCTGAAGGTACCTACATACAGA
 CTAATGTGCAAGCACCTGAAGTGTGAGAACCTGTCCCCTCTAGCTCCTTGTCTTTGCTGTTGGT
 TGGTTATTTCTGCTTTGTGCTGTTCTGAGCTGTGAGATTCCACTGTGAAATATATGAATAAAGTATAT
 AATTCTTTTAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_015775
Insert Size: 1473 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:	BC054348 , AAH54348
RefSeq Size:	3175 bp
RefSeq ORF:	1473 bp
Locus ID:	50528
UniProt ID:	Q9JIQ8
Cytogenetics:	16 57.53 cM
Gene Summary:	Serine protease that proteolytically cleaves and activates the viral spike glycoproteins which facilitate virus-cell membrane fusions. The spike proteins are synthesized and maintained in precursor intermediate folding states and proteolysis permits the refolding and energy release required to create stable virus-cell linkages and membrane coalescence. Facilitates human SARS coronavirus (SARS-CoV) infection via two independent mechanisms, proteolytic cleavage of ACE2, which might promote viral uptake, and cleavage of coronavirus spike glycoprotein which activates the glycoprotein for cathepsin L-independent host cell entry. Proteolytically cleaves and activates the spike glycoproteins of human coronavirus 229E (HCoV-229E) and human coronavirus EMC (HCoV-EMC) and the fusion glycoproteins F0 of Sendai virus (SeV), human metapneumovirus (HMPV), human parainfluenza 1, 2, 3, 4a and 4b viruses (HPIV). Essential for spread and pathogenesis of influenza A virus (strains H1N1, H3N2 and H7N9) and is involved in proteolytic cleavage and activation of hemagglutinin (HA) protein which is essential for viral infectivity.[UniProtKB/Swiss-Prot Function]