

Product datasheet for RN200307

Tmprss11d (NM_001033652) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmprss11d (NM_001033652) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tmprss11d
Synonyms:	Asp
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN200307 representing NM_001033652 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTATAGGCCAAGATCAATGGTATCACCTTCAAGATTCTTCAATCCCTTATGGTAGCTCTCATTGTCA
TAATAACAGTAGGGCTCCTGGCCATGACCGCAGGTCTACTTATCACTTTTTAGCTTTTGACAAGAGAGC
TTACTTTTATCATAGCAACTTTTCATATCCTAAATGTTGACTATACTGAAGCTTTAAACTCACCAGCTACG
CATGAATACAGAACCTTGAGTAAAAGAATCGAGTCTATGATTACTGATGCATTCGAGAATCAAATCTAC
GAAGTGAGTTTATCAGGACACATGTTGTCAAACAGAGAAAAGAGGGAGTGGTGTGGTTGCGGATGTTGT
CATGAAATTTTCGATCTAGTAAGCGTAACAACAAAAAGGCAATCAAACCAGAATCCAATCTGTGCTACAA
AGACTCAGCAGCTCTGGGAACCTTGGAAATAGCCCTTCGAATGGGATAACATCACTCACTGACCAGGATA
CAGAAAATGTTTTGACTCAAGAAATGTGGAGCACGTCCAGACCTTATAACTGTGAGAAGAGAGAATCAT
TGGAGGCACTCAAGCTGAGACAGGTGACTGGCCCTGGCAAGTCAGTCTACAGCTCAACAATGTCCACCAC
TGTGGAGGTACCCTGATCAGTAACTTGTGGTCTGACAGCCGCTCACTGCTTCAAGAGTAAAGGGCTAT
CTCAACAATGGACAGCCACCTTTGGTGTCTACAATAAGTCTAGTTAAGAGTAAAGGTAAGGGCTAT
TTTAGCCCATGCTGAGTACAACCTCATAACTCGTGATAATGATATTGCAGTTGTACAACCTTGACAGACCT
GTCACCTTTACCAGAAATATCCATAGGGTATGTCTCCAGCAGCAACCCAAAATATCATGCCTGATTCCG
TCGCATATGTCACAGGATGGGGATCTCTCACTTATGGAGGCAACACGGTCACAAATCTACAGCAAGGAGA
GGTCAGAAATAGTAAGTTCGGAGGTGTGCAACGAGCCAGCTGGCTACGGTGGGAGTGTCTTGCCAGGAATG
CTCTGTGCTGGAGTCCGTTCAAGGGCCGTGGATGCATGCCAGGGTATTCTGGTGGCCCACTAGTACAAG
AAGACACAAGGCGCTTTGGTTTGTCTGGGGATTGTGAGCTGGGGATATCAATGTGGCCTGCCAAATAA
GCCAGGAGTGTATACGCGAGTGACAGCTACCGCAACTGGATTAGGCAGCAGACTGGAATC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001033652
Insert Size:	1254 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:	<u>NM_001033652.1</u> , <u>NP_001028824.1</u>
RefSeq Size:	1683 bp
RefSeq ORF:	1254 bp
Locus ID:	64565
UniProt ID:	<u>Q8VHJ4</u>
Cytogenetics:	14p21
Gene Summary:	May play some biological role in the host defense system on the mucous membrane independently of or in cooperation with other substances in airway mucous or bronchial secretions. Plays a role in the proteolytic processing of ACE2. Preferentially cleaves the C-terminal side of arginine residues at the P1 position of certain peptides (By similarity). Isoform 2 may play a key role in regulating adrenal proliferation by specifically cleaving N-POMC.[UniProtKB/Swiss-Prot Function]