

Product datasheet for **RN200306**

Tmprss11d (NM_022630) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmprss11d (NM_022630) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tmprss11d
Synonyms:	Asp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN200306 representing NM_022630 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTTTCAGCTTCTGTTTTGTTGATCTTCTTCTCGTGCTTTCTTTCTTAACGCTAGCACTCACTGACC
AGGATACAGAAAATGTTTTGACTCAAGAATGTGGAGCACGTCCAGACCTATAACACTGTCAGAAGAGAG
AATCATTGGAGGCACTCAAGCTGAGACAGGTGACTGGCCCTGGCAAGTCAGTCTACAGCTCAACAATGTC
CACCACGTGGAGGTACCCTGATCAGTAACTTGTGGTCTGACAGCCGCTCACTGCTTCAGAAGCTACT
CGAATCCTCAACAATGGACAGCCACCTTTGGTGTCTACAATAAGTCTAGGTTAAGAGTGAGAGTAAG
GGCTATTTTAGCCATGCTGAGTACAATCCATAACTCGTGATAATGATATTGCAGTTGTACAACCTGAC
AGACCTGTCACTTTACCAGAAATATCCATAGGGTATGTCTCCAGCAGCAACCCAAAATATCATACCTG
ATTCCTCGCATATGCCACAGGATGGGGATCTCTCACTTATGGAGGCAACACGGTCACAAATCTACAGCA
AGGAGAGGTGAGAATAGTAAGTTCGGAGGTGTGCAACGAGCCAGCTGGCTACGGTGGGAGTGTCTTGCCA
GGAATGCTCTGTGCTGGAGTCCGTTCCAGGGCCGTGGATGCATGCCAGGGTGATTCTGGTGGCCACTAG
TACAAGAAGACACAAGGCGGCTTTGGTTTGTGCTGGGGATTGTGAGCTGGGGATATCAATGTGGCCTGCC
AAATAAGCCAGGAGTGTATACCGGAGTGACAGCCTACCGCAACTGGATTAGGCAGCAGACTGGAATC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_022630
Insert Size:	840 bp



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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_022630.1 , NP_072152.1
RefSeq Size:	1045 bp
RefSeq ORF:	840 bp
Locus ID:	64565
UniProt ID:	Q8VHJ4
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]