

## Product datasheet for **SC124034**

### TMPRSS11D (NM\_004262) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TMPRSS11D (NM_004262) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMPRSS11D
Synonyms:	ASP; HAT
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC124034 sequence for NM_004262 edited (data generated by NextGen Sequencing)

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ATGTATAGGCCAGCAGCGTGAATTCGACTTCAAGATTTCTGAATCCATATGTAGTATGT
TTCATTGTCGTCGAGGGGTAGTGATCCTGGCAGTCACCATAGCTCTACTTGTACTTT
TTAGCTTTTGATCAAAAATCTTACTTTTATAGGAGCAGTTTTCAACTCCTAAATGTTGAA
TATAATAGTCAGTTAAATTCACCAGCTACACAGGAATACAGGACTTTGAGTGGAAGAATT
GAATCTCTGATTACTAAAACATTCAAAGAATCAAATTTAAGAAATCAGTTCATCAGAGCT
CATGTTGCCAAACTGAGGCAAGATGGTAGTGGTGTGAGAGCGGATGTTGCATGAAATTT
CAATTCAGTAAATAACAATGGAGCATCAATGAAAAGCAGAATTGAGTCTGTTTTACGA
CAAATGCTGAATAACTCTGGAAACCTGGAAATAAACCCCTTCAACTGAGATAACATCACTT
ACTGACCAGGCTGCAGCAAATTTGGCTTATTAATGAATGTGGGGCCGGTCCAGACCTAATA
ACATTGTCTGAGCAGAGAATCCTTGGAGGCACTGAGGCTGAGGAGGGAAGCTGGCCGTGG
CAAGTCAGTCTGCGGCTCAATAATGCCACCCTGTGGAGGCAGCCTGATCAATAACATG
TGGATCCTGACAGCAGCTCACTGCTTCAGAAGCAACTCTAATCCTCGTACTGGATTGCC
ACGTCTGGTATTTCCACAACATTTCTAACTAAGAATGAGAGTAAGAAATATTTTAATT
CATAACAATTATAAATCTGCAACTCATGAAAATGACATTGCACTTGTGAGACTTGAGAAC
AGTGTACCTTTACCAAAGATATCCATAGTGTGTCTCCCAGCTGCTACCCAGAATATT
CCACCTGGCTCTACTGCTTATGTAACAGGATGGGGCGCTCAAGAATATGCTGGCCACACA
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CATAGTTATAATGGAGCCATCTTGTCTGGAATGCTGTGTCTGGAGTACCTCAAGGTGGA
GTGGACGCATGTGAGGGTACTCTGGTGGCCCACTAGTACAAGAAGACTCACGGCGGCTT
TGGTTTATTGTGGGGATAGTAAGCTGGGGAGATCAGTGTGCCTGCCGATAAGCCAGGA
GTGTATACTCGAGTGACAGCCTACCTTGACTGGATTAGGCAACAACTGGGATCTAG

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Clone variation with respect to NM\_004262.2



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_004262 unedited  ACGCAGTAAAAAGAACCCTTTCATTAATGATTAATAATGTATAGGCCAGCACGTGTAAC  TCTACTTCAAGATTTTTGAATCCATATGTAGTATGTTTCATTGTCGTCGAGGGGTAGTG  ATCCTGGCAGCCACCATAGCTCTACTTGTACTTTTTAGCTTTTGATCAAAAATCTTAC  TTTTATAGGAGCAGTTTTCAACTCCTAAATGTTGAATATAATAGTCAGTTAAATTCACCA  GCTACACAGGAATACAGGACTTTGAGTGAAGAATTGAATCTCTGATTACTAAAACATTC  AAAGAATCAAATTTAAGAAATCAGTTCATCAGAGCTCATGTTGCCAAACTGAGGCAAGAT  GGTAGTGGTGTGAGAGCGGATGTTGTCATGAAATTTCAATTCAGTAAATAACAATGGA  GCATCAATGAAAAGCAGAAATGAGTCTGTTTTACGACAAATGCTGAATAACTCTGAAAAC  CTGAAAATAAACCTTCAACTGAGATAACATCACTTACTGACCAGGCTGCAGCAAATGG  CTTATTAATGAATGTGGGGCCGGTCCAGACCTAATAACATTGTCTGAGCAGAGAATCCTT  GGAGGCACTGAGGCTGAAGAGGGAAGCTGGCCCTGGCAAGTCAGTCTGCGGCTCAATAAT  GCCACCCTGTGGAGGCAGCCTGATCAATAACATGTGGATCCTGACAGCAGCTCACTGC  TTTAAAAGCAACTCTAATCCTCGTACTGGATTGCCACGTTTGGTATTTCCACAACATTT  CCTAAACTAAGAATGACAGTAATAAATTATTTTATTCATA</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_004262 unedited  GGGATGGCAACTTCCAGAGCCAGGAGAGGCACTGGGGAGGGGTCACAGGGATGCCACCCG  GGATCTGTTCCAGAAACAGCTATGACCGCGGCCGCAATCTAGAGCTCGAGTTTTTTTTGT  GGTTTTTAAATTAAGAAATTTATTTGGAATAAAGTATAGCAGACATTTGTTGTACA  GGTCGCCAAGAGTTGGTGCATTTCAACTCCCTTTCCCTAAAAGTATATGGCTTTATTG  GAAGAGTATGCACATTTACATCAGGGACTACATGAAGTTTTCAACATATGTGTGGGGC  AATCCTGATGCCCGATGCTCGGAGTTAGCTTGTACAAAGAGGAAGCTCTGACCCATATT  TGATCATGCTTACGCAAACTTTATCTGTACTACAGACCTATAAAAAGTAAATTA  ATGATTACAGACTACCGAGATTTTCATGCCAGTTACACTTTACTGGATTTAATTTACATTA  TATTCTTTGGTGGGGGAGGCATGTGTATGACAATGGGAGAGAGAGCAATAATTTGAGA  GAAGAAGAGTGTCCAGTTTGTCTGCCTTCGCGATCATGCTGCTGATATTGAGCTATTT  AACTTTCCCTTTGACAGCCAAGTGTCCCGCTCTTTAAAGTTTCAATTCGCTACTTAGA  CTTAGCGTTTACTAGCCGATCCGCTCACTAATTTGCTGCCACTGATATGACATCTGTA  GTGCGACGTTCTCCCAAACGTTAGATTATCAATCTAACATTCTATTTTGGTGTAAAC  AATTGCCAGGTTTTTTGAAAGCAACCGAAATCTTTGAAAGTTCTTTGTAATATCCTTA  GCACCAACGATCTCCCTTAGTAATTAGGGGAAATTTTGGCCACACCCAAAAAGGT  CTTCTCGCCAACTGG</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_004262
<b>Insert Size:</b>	4400 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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:**

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\\_004262.2](#), [NP\\_004253.1](#)

**RefSeq Size:** 2800 bp

**RefSeq ORF:** 1257 bp

**Locus ID:** 9407

**UniProt ID:** [O60235](#)

**Cytogenetics:** 4q13.2

**Protein Families:** Druggable Genome, Protease, Secreted Protein, Transmembrane

**Gene Summary:** This gene encodes a trypsin-like serine protease released from the submucosal serous glands onto mucous membrane. It is a type II integral membrane protein and has 29-38% identity in the sequence of the catalytic region with human hepsin, enteropeptidase, acrosin, and mast cell tryptase. The noncatalytic region has little similarity to other known proteins. This protein 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. [provided by RefSeq, Jul 2008]