

## Product datasheet for **RR200307**

### Tmprss11d (NM\_001033652) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tmprss11d (NM_001033652) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tmprss11d
Synonyms:	Asp
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR200307 representing NM_001033652 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGTATAGGCCAAGATCAATGGTATCACCTTCAAGATTCTTCAATCCCTTATGGTAGCTCTCATTGTCA  
TAATAACAGTAGGGCTCCTGGCCATGACCGCAGGTCTACTTATCACTTTTTAGCTTTTGACAAGAGAGC  
TTACTTTTATCATAGCAACTTTTCATATCCTAAATGTTGACTATACTGAAGCTTTAAACTCACCAGCTACG  
CATGAATACAGAACCTTGAGTGAAGAATCGAGTCTATGATTACTGATGCATTCGAGAATCAAATCTAC  
GAAGTGAGTTTATCAGGACACATGTTGTCAAACAGAGAAAAGAGGGAGTGGTGTGGTTGCGGATGTTGT  
CATGAAATTTTCGATCTAGTAAGCGTAACAACAAAAAGGCAATCAAACCAGAATCCAATCTGTGCTACAA  
AGACTCAGCAGCTCTGGGAACCTTGGAAATAGCCCTTCGAATGGGATAACATCACTCACTGACCAGGATA  
CAGAAAATGTTTTGACTCAAGAAATGTGGAGCACGTCCAGACCTTATAACTGTGAGAAGAGAGAATCAT  
TGGAGGCACTCAAGCTGAGACAGGTGACTGGCCCTGGCAAGTCAGTCTACAGCTCAACAATGTCCACCAC  
TGTGGAGGTACCCTGATCAGTAACTTGTGGTCTGACAGCCGCTCACTGCTTCAAGAGTAAAGGGCTAT  
CTCAACAATGGACAGCCACCTTTGGTGTCTACAATAAGTCTAGTTAAGAGTGAAGTAAAGGGCTAT  
TTTAGCCCATGCTGAGTACAACCTCATAACTCGTGATAATGATATTGCAGTTGTACAACCTTGACAGACCT  
GTCACCTTTACCAGAAATATCCATAGGGTATGTCTCCAGCAGCAACCCAAAATATCATGCCTGATTCCG  
TCGCATATGTCACAGGATGGGGATCTCTCACTTATGGAGGCAACACGGTCACAAATCTACAGCAAGGAGA  
GGTCAGAAATAGTAAGTTCGGAGGTGTGCAACGAGCCAGCTGGCTACGGTGGGAGTGTCTTGCCAGGAATG  
CTCTGTGCTGGAGTCCGTTCAAGGGCCGTTGGATGCATGCCAGGGTATTCTGGTGGCCCACTAGTACAAG  
AAGACACAAGGCGCTTTGGTTTGTCTGGGGATTGTGAGCTGGGGATATCAATGTGGCCTGCCAAATAA  
GCCAGGAGTGTATACGCGAGTGACAGCTACCGCAACTGGATTAGGCAGCAGACTGGAATC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR200307 representing NM\_001033652  
 Red=Cloning site Green=Tags(s)

MYRPRSMVSPSRFFNPFMVALIVIIITVGLLAMTAGLLIHFLAFDKRAYFYHSNFHILNVDYTEALNSPAT  
 HEYRTLSEIEMITDAFRESNLRSEFIRTHVVKLRKEGSGVVADVVMKFRSSKRNNKKAIKTRIQSVLQ  
 RLSSSGNLEIAPSNGITSLTDQDTENVLTQECCGARPDLITLSEERIIGGTQAETGDWPWQVSLQLNNVHH  
 CGGTLLISNLWVLTAAHCFRSYSNPQQTATFGVSTISPRLRVRVRAILAHAEYNSITRDNDIAVVQLDRP  
 VTFTRNIHRVCLPAATQNIIMPDSVAYVTGWGSLTYGGNTVTNLQQGEVRIVSSEVCNEPAGYGGSVLPGM  
 LCAGVRSYAVDACQDQSGGPLVQEDTRRLWFVVGIVSWGVCGLPNKPGVYTRVTAAYRNWIRQQTGI

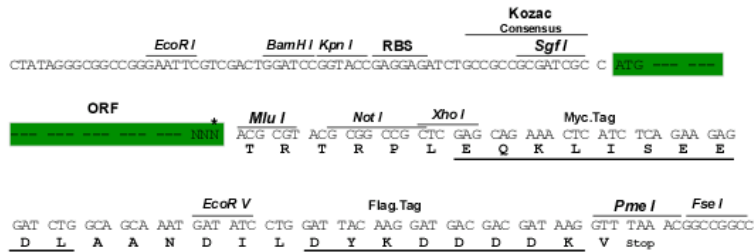
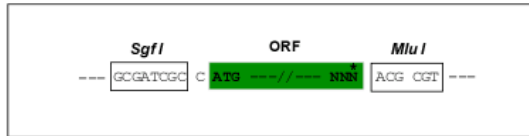
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

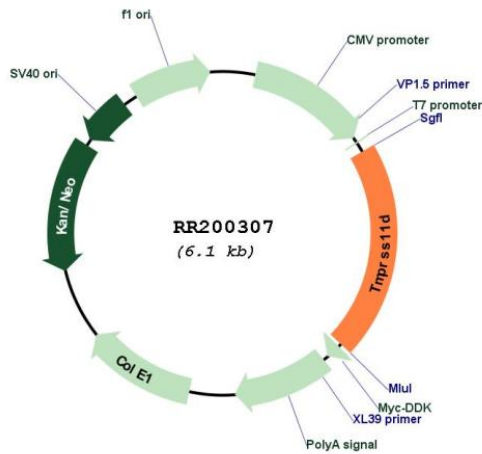
**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**Plasmid Map:**



**ACCN:** NM\_001033652

<b>ORF Size:</b>	1251 bp
<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001033652.1</a> , <a href="#">NP_001028824.1</a>
<b>RefSeq Size:</b>	1683 bp
<b>RefSeq ORF:</b>	1254 bp
<b>Locus ID:</b>	64565
<b>UniProt ID:</b>	<a href="#">Q8VHJ4</a>
<b>Cytogenetics:</b>	14p21
<b>MW:</b>	46.3 kDa
<b>Gene Summary:</b>	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]