

## Product datasheet for **RR200306**

### **Tmprss11d (NM\_022630) Rat Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tmprss11d (NM\_022630) 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:** >RR200306 representing NM\_022630  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGAGTTTCAGCTTCTGTTTTGTTGATCTTCTCTCGTGCTTTCTTTCTTAACGCTAGCACTCACTGACC  
AGGATACAGAAAATGTTTTGACTCAAGAATGTGGAGCACGTCCAGACCTTATAAACTGTCAGAAGAGAG  
AATCATTGGAGGCACTCAAGCTGAGACAGGTGACTGGCCCTGGCAAGTCAGTCTACAGCTCAACAATGTC  
CACCACGTGGAGGTACCCTGATCAGTAACTTGTGGGTCCTGACAGCCGCTCACTGCTTCAGAAGCTACT  
CGAATCCTCAACAATGGACAGCCACCTTTGGTGTCTACAATAAGTCCTAGGTTAAGAGTGAGAGTAAG  
GGCTATTTTAGCCCATGCTGAGTACAACCTCCATAACTCGTGATAATGATATTGCAGTTGTACAACCTTGAC  
AGACCTGTCACCTTTACCAGAAATATCCATAGGGTATGTCTCCAGCAGCAACCCAAAATATCATACTG  
ATTCGCTCGCATATGCCACAGGATGGGGATCTCTCACTTATGGAGGCAACACGGTCACAAATCTACAGCA  
AGGAGAGGTCAGAATAGTAAGTTCGGAGGTGTGCAACGAGCCAGCTGGCTACGGTGGGAGTGTCTTGCCA  
GGAATGCTCTGTGCTGGAGTCCGTT CAGGGGCCGTGGATGCATGCCAGGGTGATTCTGGTGGCCACTAG  
TACAAGAAGACACAAGGCGCCTTTGGTTTGTGCTGGGGATTGTGAGCTGGGGATATCAATGTGGCCTGCC  
AAATAAGCCAGGAGTGTATACGGGAGTGACAGCCTACCGCAACTGGATTAGGCAGCAGACTGGAATC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR200306 representing NM\_022630  
Red=Cloning site Green=Tags(s)

MSFSFCFVLLLLVLSFLTLALTDQDTENVLTQECGARPDLITLSEERIIGGTQAETGDWPWQVSLQLNNV  
 HHCGGTLISNLWVLTAAHCFRSYNSNPQQWTATFGVSTISPRLRVRVRAILAHAEYNSITRDNDIADVQLD  
 RPVTFTRNIHRVCLPAATQNIIPDSVAYATGWGSLTYGGNTVTNLQQGEVRIVSSEVCNEPAGYGGSVLP  
 GMLCAGVRS GAVDACQGD SGGPLVQEDTRRLWFVVGIVSWGYQCGLPNKPGVYTRVTAYRNWIRQQTGI

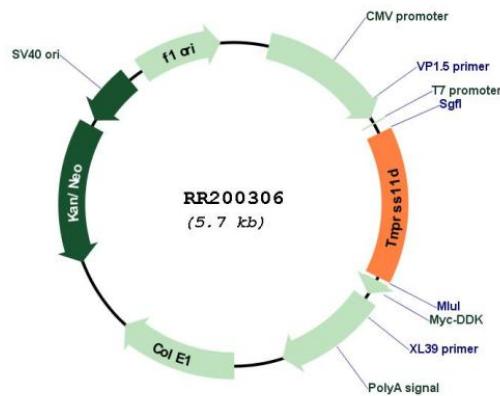
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_022630  
**ORF Size:** 837 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_022630.1</a> , <a href="#">NP_072152.1</a>
<b>RefSeq Size:</b>	1045 bp
<b>RefSeq ORF:</b>	840 bp
<b>Locus ID:</b>	64565
<b>UniProt ID:</b>	<a href="#">Q8VHJ4</a>
<b>Cytogenetics:</b>	14p21
<b>MW:</b>	30.5 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]