

## Product datasheet for **RR214898**

### Tmprss3 (NM\_001107619) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tmprss3 (NM_001107619) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tmprss3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR214898 representing NM_001107619 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGGGAAAACGACCCTCCAGCAGCCGAAGCCCCTTCTCCTCCGGTCACTCTTTGGCTTGGACGATT  
TAAAAATAAGTTCTGTGGCACCAGATGGAGATGCAGTGGCCGCGCAGATCTTGCCCTTCTGCCCTTGAA  
GTTTTTCCGATCATCGTCATTGGGATCATAGCCTTGATACTGGCGTTGGCTATCGGCCTGGGCATCCAC  
TTCGACTGCTCTGGGAAGTACAGGTGCCATTTCATCTTCAAGTGTATTGAACTAACAGCCCGATGTGACG  
GGTCCCCAATTGCAAGGACGGGAGGATGAGTACCGTTGCGTGCGGGTGAAGCGCCAAAGAGCAGCGCT  
CCAAGTGTTCACGGCTGCTGCATGGAGGACCATGTGTTCCAGATGACTGGAAAAGCCACTATGCCAAGATT  
GCCTGTGCCAGCTGGGTTTCCAGCTATGTGAGCTCAGACCACCTCAGAGTGGATGCACCTTGGAGAGC  
AGTTCCAGGGGACTTCGTGTCCATCAATCACCTTTGCCAGATGACAAGGTGACCGCATTACACCACTC  
TGTGTACATGAGGAAGGCTGCACCTCAGGCCATGTGGTACCTTGAAGTGTGACCTGTGGCATGAGA  
ACTGGCTACAGTCCCGCATTGTGGTGGAAACGTGCTCCTCGCTCACTCAGTGGCCCTGGCAGGTCAGCC  
TCCAGTCCAGGGGTACCACCTATGTGGGGCTCCGTCATCACCCCTCTGTGGATTGTACCCTGCGCA  
CTGTGTTTACGACTGTACCACCCCAAGTCTGGACTGTCCAGGTGGGTCTCGTGTCCCTGATGGACAGT  
CCTGTGCCCTCCACCTGGTGGAGAAAATCATCTACCACAGCAAGTACAAACAAAGCGACTGGGCAATG  
ACATCGCCCTCATGAAGCTGTCCGAGCCACTCACCTTTGACGAGACCATCCAGCCATCTGCCTGCCAA  
CTCTGAAGAGAATTTCCAGACGGGAAATGTGCTGGACCTCAGGATGGGAGCCACAGAGGACGGAGGT  
GACGCCTCCCCTGTCTGAACCAGCGGCCGCTCCCTTTAATTTCAAACAAGATCTGCAACCACAGGGATG  
TGATGGCGGTATCATTTCACCTCCATGCTCTGTGCGGGCTATCTGAAAGGCGGTGTGGACAGCTGCCA  
GGGAGACAGCGGGGACCCTGGTGTGCCAGGAGAGGAGACTGTGGAAGTTAGTGGGTGCGACAAGCTTT  
GGAATTTGGCTGTGCTGAGGTGAACAAGCCTGGAGTCTACACACGAATCACCTCCTTCTGGACTGGATT  
ACGAACAGTTGGAGAGAGATCTGAAGACT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR214898 representing NM\_001107619  
Red=Cloning site Green=Tags(s)

MGENDPPAAEAPFSFRSLFGLDDLKISSVAPDGDAAAQILSLLPLKFFPIIVIGIIALILALAIGLGIH  
 FDCSGKYRCHSSFKCIELTARCDGVPNCKDGEDEYRCVVRVSGQRAALQVFTAAAWRTMCSDDWKSHYAKI  
 ACAQLGFPSYVSSDHLRVDAL EEQFQGDFVSIHLLPDDKVTALHHSVYMREGCTSGHVVTLKCSACGMR  
 TGYSPRIVGGNVSSLTQWPWQVSLQFQGYHL CGGSVITPLWIVTAAHCVYDLYHPKSWTVQVGLVSLMDS  
 PVP SHLVEKIIYHSKYKPKRLGNDIALMKLSEPLTFDET IQPICLPNSEENFPDGKLCWTS GWGATEDGG  
 DASPVLNHAAPVPLISNKICNHRDVGIIISPSMLCAGY LKGGVDS CQGD SGGPLVCQERRLWKL VGATSF  
 GIGCAEVNKP GYTRITSF LDWIHEQLERDLKT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

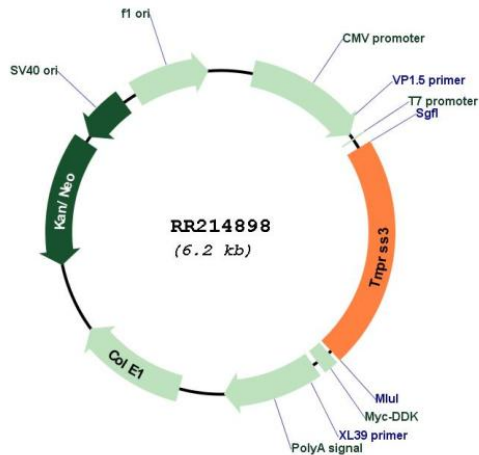
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



<b>ACCN:</b>	NM_001107619
<b>ORF Size:</b>	1359 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_001107619.1</a> , <a href="#">NP_001101089.1</a>
<b>RefSeq Size:</b>	2691 bp
<b>RefSeq ORF:</b>	1362 bp
<b>Locus ID:</b>	309665
<b>Cytogenetics:</b>	20p12
<b>MW:</b>	49.5 kDa