

## Product datasheet for MR220767

### Tmprss9 (NM\_001081688) Mouse Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Tmprss9 (NM\_001081688) Mouse Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: Tmprss9  
 Synonyms: Serase-1B  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 ORF Nucleotide Sequence: >MR220767 representing NM\_001081688  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAGCCCCTGCACCAGACTTACAACCTGTGCCAGAGGTGACAAAGGCTGTCTCTGTATCTGCTCCAG  
 ACCCTGGCCCTTGTGCAACGGCTGTCATCGCAGTGGTGGGCATCAGCATGGCCATCGTGACCCTGGGAGT  
 CCTTTAGCCTTCTTCTCCGCACAGGGCGCCACGTGGAGCACATAGCAGAGCTACATGGGATCCGTTTC  
 ACCAGTCTTTGACAGCAGGAGAACTCTGACTTCTACCGCCTACTCACGCATGCTCTGCAGACACTGTTTG  
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 CAGGAAGCAGACATCTTGCAAAAAGGAATCCAGGCAAGGCTGCAGGAACAAGGTCTTTCCCTGGCTGCCT  
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 TCCTGGTGAAGCCAGAGGTCCTTCAGAAAAGCCACGGTGAATGCTGGACCAGAGCCTGTGTTCCAGCCT  
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 CTTGGAGGTGACCAGCGTGTGACATGCCTGTGGTCCCCACCGGACTCCAGCGCCGCCACCCACG



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ACTCCCTGGCCTACCAGCCCTGAGAGCTGGGCGCCCAACACCTTTGCCAAACCCACCGCTGCCCCAGCC  
 CTGTGCCACTGCACCCAGCACTACGGCCAAGCCACAAGAGTGTGGGGCCAGACCCGCCATGGACAAGCC  
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 GGACCCCTGGCCTGCAGGGAGCCATCTGGCCAATGGGTGTAAGTGGGGTACCAGCTGGGGCTACGGCT  
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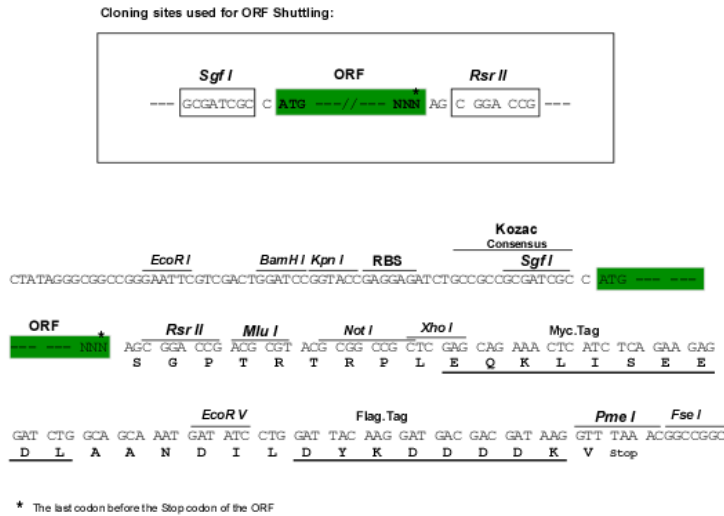
**Protein Sequence:**

>MR220767 representing NM\_001081688  
 Red=Cloning site Green=Tags(s)

MEPTAPDLQLVPEVTKAVSVSAPDPGPCRTAVIAVVGISMAIVTLGVLSAFFSAQGAHVEHIAELHGIRF  
 TSSLQENSDFYRLLTHALQTLFVSSFQKTELESSCAGCTVLSYRDGNSTVIVHFRLHFLLRALQPLSLK  
 QEADILQKGIQARLQEQGLSLAAYGTIVSVELTGRCEGPVTERDLKSGHCPCGNVFSQNGQCVSKENPEC  
 DDRVDCSDSDAQDCDCGWQPAWRSAGRIVGGVEAAPGEFPWQVSLRENHEHFCGATTIIGARWLVSAAHC  
 FNEFQDPAQWAAQAGSVHLSGSEASAVRTRVLRIAKHPAYDADTADFVAVLELARPLPFGRYVQPAQLP  
 AATHVFPFGKKCLISGWGYLKEDFLVKPEVLQKATVELLDQSLCSSLYGHSLTDRMVCAGYLDGKVDSCQ  
 GDSSGPLYVCEEPSGRFFLAGIVSWGIGCAEARRPGVYTRVRLRDWILEVTSAADMPVVPTATPAPATPS  
 TPWPTSPESWAPNTFAKPTAAPSPVPLHPSTTAKPQECGARPAMDKPTRIVGGISAVSGEVPWQASLKEG  
 PRHFCGATVVGDRWLLSAAHCFNHKVEQVAHLGTVSLLGVGGSPVKLGLRRVALHPRYNPGILDVDA  
 LLELAQPLVFNKYIQPVCLPLAIHKFPVGRKCMISGWGNMQEGNATKPDILQKASVGIIEQKMGALYNF  
 SLTDRMLCAGFLEGRVDSQGDSSGGLACEETPGVFYLAGIVSWGIGCAQAKKPGVYARITRLKDWILKA  
 MSSDPSSMARPHTSSTRLLIPSEPPKTTAAGLIPEATTSRLATPRATIRVTTTRPLNTTLSARSTTRGQT  
 AAPSPAGTTIHSPLPDCGLAPPALTRIVGGSAAASLGEWPQVSLWLRREHRCGAVLVAERWLLSAAHC  
 FDIYGDPMQWAAFLGTPFLSSTEGQLERVARIYRHPFYNIYTLDYDVALLELAGPVRRSRLVRIPLPGP  
 ARPPDGARCVITGWGSLREGGSMARQLQKAAVRVLSQTCRRFYPVQISSRMLCAGFPQGGVDSGSDGAG  
 GPLACREPSGQWVLTGVTWSWGYGCRPHFPGVYTRVAAVLWIGQNIQE

SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9011\\_h05.zip](https://cdn.origene.com/chromatograms/mm9011_h05.zip)  
**Restriction Sites:** SgfI-RsrII  
**Cloning Scheme:**



**ACCN:** NM\_001081688

**ORF Size:** 3297 bp

**OTI Disclaimer:** 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. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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:**
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\\_001081688.2](#), [NP\\_001075157.2](#)

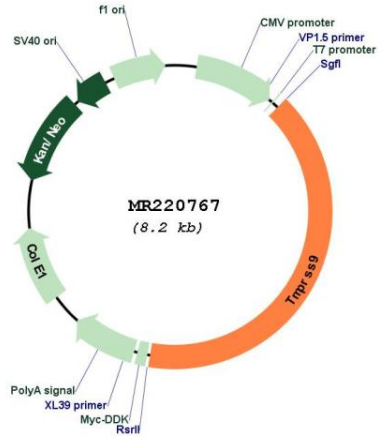
**RefSeq Size:** 3454 bp

**RefSeq ORF:** 3300 bp

**Locus ID:** 432478

Cytogenetics: 10 C1  
 MW: 118.7 kDa

**Product images:**



Circular map for MR220767