

## Product datasheet for **MG220767**

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

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tmprss9 (NM_001081688) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tmprss9
Synonyms:	Serase-1B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG220767 representing NM_001081688 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGCCCCTGCACCAGACTTACAACCTGTGCCAGAGGTGACAAAGGCTGTCTCTGTATCTGCTCCAG  
ACCCTGGCCCTTGTGCAACGGCTGTCATCGCAGTGGTGGGCATCAGCATGGCCATCGTGACCCTGGGAGT  
CCTTTCCAGCCTTCTTCTCCGCACAGGGCGCCACGTGGAGCACATAGCAGAGCTACATGGGATCCGTTTC  
ACCAGTCTTTGACAGCAGGAGAACTCTGACTTCTACCGCCTACTCACGCATGCTCTGCAGACACTGTTTG  
TGAGTAGTTTCCAGAAAACAGAGTTAGAGTCGAGCTGCGCAGGCTGCACCGTGTAGTTACAGGGATGG  
CAATTCCTACTGTGATTGTACATTTCCGGCTACACTTTCTGCTCCGAGCCCTCCAGCCCCTGAGCCTGAAG  
CAGGAAGCAGACATCTTGCAAAAAGGAATCCAGGCAAGGCTGCAGGAACAAGGTCTTTCCCTGGCTGCCT  
ATGGCACCATCGTGTGTCAGTCGAGCTGACAGGAAGGTGTGAAGTCCGGTACTGAGAGGGACTTAAAGTC  
AGGCCACTGCCCGGGAATGTCTTCTCCTGTGAGAATGGTCAGTGCCTGAGCAAAGAGAACCCTGGAGTGT  
GATGACAGAGTGGACTGCTCCGACGAGTCTGATGAGGCTCAGTGCAGTGCAGGCTGGCAGCCTGCCTGGA  
GGTCAGCTGGCAGGATCGTGGGAGGAGTGGAGGCGGCTCCCGGGAGTTCCTCCCTGGCAGGTCAGTCTTCG  
AGAGAATCACGAACACTTCTGTGGCGCCACCATCATCGGTGCCAGGTGGTGGTGTCTGCTGCCACTGC  
TTCAACGAATCCAGGACCCTGCGCAGTGGCCGCCAGCGGGCAGTGTGCACCTGAGCGGGTCAGAGG  
CCAGCGCTGTGCGCACACGCGTGTCTCCGATAGCCAAGCATCCTGCCTATGATGCGGACACAGCGGACTT  
CGACGTGGCGGTGCTGGAGCTGGCGCGCCCGCTGCCCTTCGAGACGCTATGTGCAGCCTGCCTGCCTCCCC  
GCGGCCACGCACGCTTCCCGCCGGGAAGAAGTGTCTGATCTCGGGCTGGGGTTACCTGAAAGAGGACT  
TCCTGGTGAAGCCAGAGGTCCTTCAGAAAAGCCACGGTGAATTGCTGGACCAGAGCCTGTGTTCCAGCCT  
GTACGGCCACTCGCTCACCGACAGGATGGTGTGTGCCGGCTACCTGGACGGGAAGGTAGACTCCTGCCAG  
GGGACTCCGGGGGACCCCTGGTCTGCGAGGAGCCTTCAGGAAGGTTCTTCTGGCTGGTATCGTAGCT  
GGGAATCGGCTGCGCAGAAGCGCGGCCCCAGGGGTCTACACCCGAGTACCAGGCTGCGGGATTGGAT  
CTTGAGGTGACCAGCGTGTGACATGCCTGTGGTCCCCACCGGACTCCAGCGCCCGCCACCCCCAGC



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ACTCCCTGGCCTACCAGCCCTGAGAGCTGGGCGCCCAACACCTTTGCCAAACCCACCGCTGCCCCAGCC  
 CTGTGCCACTGCACCCAGCACTACGGCCAAGCCACAAGAGTGTGGGGCCAGACCCGCCATGGACAAGCC  
 CACTCGGATTGTGGGCGGGATCAGCGCCGTGTCTGGGGAGGTGCCCTGGCAGGCCAGCCTGAAGGAAGGA  
 CCCAGACATTTCTGCGGAGCCACCGTGGTGGGTGACCGCTGGCTGCTGTCTGCCGCCACTGTTTCAACC  
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 TCCCTCACTGACCGCATGCTCTGTGCTGGCTTCTGGAGGGCAGAGTTGACTCCTGCCAGGGTGATTCTG  
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 GCAGCCCCAAGTGCACCGGGCACCACCATACACTCTACCTGCCAGATTGTGGCCTGGCACCSCCGGGG  
 CCCTGACCCGGATAGTGGGCGGACGCGAGCCTCGCTTGGGGAGTGGCCCTGGCAAGTGAGCCTGTGGCT  
 GCGGCGCAGGGAGCACCAGTGTGGGGCGGTACTGGTGGCCGAGAGGTGGCTTCTGTCTGCAGCAGCTGT  
 TTCGACATCTATGGGGACCCTATGCAGTGGGCGGCCTTCTGGGCACCCATTCTGAGCAGCAGCGAGG  
 GCCAGTTGGAGCGCGTGGCAGCATCTATCGCCACCCGTTCTACAACATCTACACTGGACTATGACGT  
 GGCAGTGTGGAGCTGGCGGGACCCGTGCGCCGACCGCTTGGTGCAGCCATCTGCCTACCAGTCCC  
 GCAAGGCCCTGACGGCGCTCGATGCGTATCACCGGCTGGGGCTCGCTGCGCGAGGGAGGCTCCATGG  
 CGCGCAGCTGCAGAAGGCCGCGAGTAAAGGTCCTCAGTGAACAGACATGTCCGCGCTTCTACCCAGTGA  
 GATCAGCAGCCGATGTTGTGTGCAAGGCTTCCACAGGGTGGCGTGGACAGCTGCTCGGGTGATGCAAGG  
 GGACCCCTGGCCTGCAGGGAGCCATCTGGCCAATGGGTGCTAACTGGGGTACCAGCTGGGGCTACGGCT  
 GTGGCAGGCCCACTTCCAGGTGTCTACACTCGAGTGGCTGCTGTGCTGGGATGGATAGGCCAGAACAT  
 CCAGGAA

AGCGGACCGACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG220767 representing NM\_001081688  
 Red=Cloning site Green=Tags(s)

MEPTAPDLQLVPEVTKAVSVSAPDPGPCRTAVIAVVGISMAIVTLGVLSAFFSAQGAHVEHIAELHGIRF  
 TSSLQQENSDFYRLLTHALQTLFVSSFQKTELESSCAGCTVLSYRDGNSTVIVHFRLHFLLRALQPLSLK  
 QEADILQKGIQARLQEQGLSLAAYGTIVSVELTGRCEGPVTERDLKSGHCPGNVFSQNGQCVSKENPEC  
 DDRVDCSDESDEAQDCGWQPAWRSAGRIVGGVEAAPGEFPWQVSLRENHEHFCGATTIGARWLVSAAHC  
 FNEFQDPAQWAAQAGSVHLSGSEASAVRTRVLRIAKHPAYDADTADFVAVLELARPLPFGRYVQACL  
 AATHVFPFGKCLISGWGYLKEDFLVKPEVLQKATVELLDQSLCSSLYGHSLTDRMVCAGYLDGKVDSCQ  
 GDSGGPLVCEEPSGRFFLAGIVSWGIGCAEARPGVYTRVTRLRDWILEVTSAADMPVVPTATPAPATPS  
 TPWPTSPESWAPNTFAKPTAAPSPVPLHPSTTAKPQECGARPAMDKPTRIVGGISAVSVEVPWQASLKEG  
 PRHFCAATVVGDRWLLSAAHCFNHTKVEQVQAHGLTVSLLGVGGSPVKLGLRRVALHPRYNPGLDFDVA  
 LLELAQPLVFNKYIQPVCLPLAIHKFPVGRKCMISGWGNMQEGNATKPDILQKASVGIIEQKMGALYNF  
 SLTDRMLCAGFLEGRVDSQGDSSGGPLACEETPGVFYLAGIVSWGIGCAQAKKPGVYARITRLKDWILKA  
 MSSDPSSMARPHTSSTRLIPSEPPKTTAAGLIPEATTSRLATPRATIRVTRPLNTTLSARSTTRGQT  
 AAPSAPGTTIHSPLDCGLAPPGALTRIVGGSAASLGEWPWQVSLWLRREHRCGAVLVAERWLLSAAHC  
 FDIYGDPMQWAAFLGTFPLSSTEGQLERVARIYRHPFYNIYTLDYDVALLELAGPVRRSRLVVRPCLPGP  
 ARPPDGARCVITGWGSLREGGSMARQLQKAAVRVLSQTCRRFYVPQISSRMLCAGFPQGGVDSGSDAG  
 GPLACREPSGQWVLTGVTSWGYGCRPHFPVYTRVAAVLWIGQNIQE

SGPTRRRLE - GFP Tag - V

**Restriction Sites:**

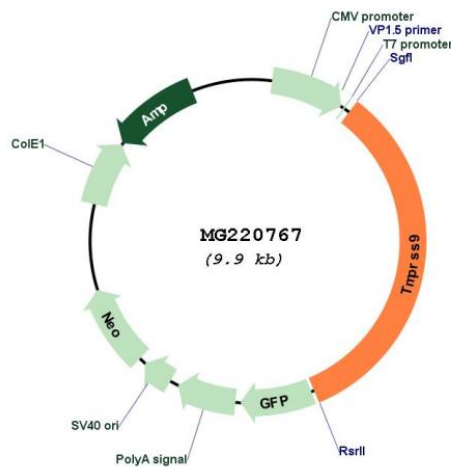
Sgfl-RsrII

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



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.

<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>	<u>NM_001081688.2, NP_001075157.2</u>
<b>RefSeq Size:</b>	3454 bp
<b>RefSeq ORF:</b>	3300 bp
<b>Locus ID:</b>	432478
<b>Cytogenetics:</b>	10 C1