

## Product datasheet for **MG220687**

### **Tmprss3 (NM\_001163776) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tmprss3 (NM_001163776) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tmprss3
Synonyms:	MGC130589
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MG220687 representing NM\_001163776  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCCGCTTCAGAAATGGTGGAGGTGGAGCCGGAACCAACATCAGAGGCCCTGAGATAGTCACCATGG  
 GGGAGAATGACCTCCGGCAGCCGAAGCTCCCTTCTCCTTCCGGTCTCTTTCGGCTTGGATGATTTGAA  
 AATAAGTCCTGTGGCACCAGATGGAGACGAGTGGCTGCCGAGATCTTGTCCCTTCTGCCCTTGAAGTTT  
 TTTCCGATCATCGTCATTGGGATCATCGCCTTGATACTGGCGCTGGCCATCGGTCTGGGCATCCACTTCG  
 ACTGCTCTGGGAAGTACAGGTGCCATTCATCTTTCAAGTGTATTGAACTAACAGCTCGATGCGACGGGT  
 CTCGACTGCAAGAACGCAGAGGATGAGTACCGATGCGTGCAGGAGAGCGCCAAAGAGCGGCGCTCCAA  
 GTGTTACAGCTGCTGCGTGGAGGACCATGTGCTCCGATGACTGGAAAAGCCACTATGCCAAGATTGCTT  
 TGCCACAGCTGGGTTTCCAGCTATGTGAGCTCAGACCCTAAGAGTGGATGCGCTGGAGGAGCAGTT  
 CCAGGGCGACTTCGTGTCCATCAATCACCTCTTGTGATGACAAGGTGACGGCGTTACACCACTCTGTG  
 TACATGAGGGAAGGCTGCACCTCAGGCCAGTGGTCCACTTGAAGTGTGCTAGCCTGTGGCAGGAAACGG  
 GCTACAGTCCCGAATTGTGGGTGGAAACATGTCTCGCTCACTCAGTGGCCCTGGCAGGTGAGCCTCCA  
 GTTCCAGGGGTACCACCTATGTGGGGGCTCCATCATCACCCCTCTGTGGATCGTCACTGCGGCACACTGT  
 GTTTATGACCTGTACCACCCCAAGTCTGGACTGTCCAGTGGGTCTTGTGTCCCTGATGGACAGTCCTG  
 TGCCCTCCCATCTGGTGGAGAAAATCATCTATCACAGCAAGTACAAGCCAAAGCGGCTGGCAATGACAT  
 AGCCCTCATGAAGCTGTCCGAGCCACTCACCTTGACGAGACCATCCAGCCCATCTGTCTGCCAACTCT  
 GAAGGAACTTTCCCGATGGGAACTGTGCTGGACCTCAGGATGGGGAGCCACAGAGGATGGAGGTGACG  
 CCTCCCCTGTCTGAACCACGCGGCTGTCCCTTTAATTTCAAACAAGATCTGCAACCACAGGACGTGTA  
 TGGTGGTATCATCTCTCCCTCCATGCTCTGTGCAGGCTACCTGAAGGGCGGTGTGGACAGCTGCCAGGGA  
 GACAGTGGAGGACCCCTGGTGTGCCAGGAGAGGAGACTGTGGAAGTTAGTGGGTGCAACAAGTTTTGGAA  
 TCGGCTGTGCTGAAGTGAACAAGCCTGGAGTCTATACGCGAATCACCTCTTCTGGACTGGATTACGGA  
 ACAGTTGGAGAGAGATCTGAAGACT

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG220687 representing NM\_001163776  
 Red=Cloning site Green=Tags(s)

MAASEMVEVEPEPNIRGPEIVTMGENDPPAAEAPFSFRSLFGLDDLKISPVAPDGDAAAQILSLLPLKF  
 FPIIVIGIILALALAIGLGIHFDCSGKYRCHSSFKCIELTARCDGVSDCKNAEDEYRCVRSVSGQRAALQ  
 VFTAAAWRTMCSDDWKSHYAKIACAQLGFPSYVSSDHLRVDAL EEQFQGFVSIHLLSDDKVTAHHHSV  
 YMREGCTSGHVVTLKCSACGTRTGYSPIVGGNMSLTQWPWQVSLQFQGYHLCCGSIITPLWIVTAAHC  
 VYDLYHPKSWTVQGLVSLMDSVPVSHLVEKIIYHSHYKPKRLGNDIALMKLSEPLTFDETIQPICLPNS  
 EENFPDGKLCWTSWGATEDGGDASPVLNHAAVPLISNKICNHRDVYGGIISPSMLCAGYLKGGVDSQCQ  
 DSGGPLVCQERRLWKLVGATSFGI GCAEVNKP GYVYTRITSFLDWIHEQLERDLKT

**TRTRPLE** - GFP Tag - V

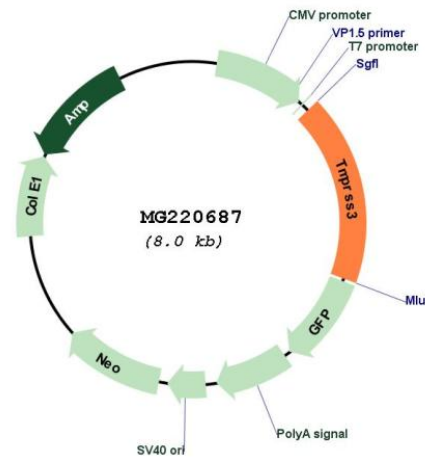
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001163776

ORF Size: 1425 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\\_001163776.1](#), [NP\\_001157248.1](#)

**RefSeq Size:** 2878 bp

**RefSeq ORF:** 1428 bp

**Locus ID:** 140765

**Cytogenetics:** 17 A3.3

**Gene Summary:** Probable serine protease that plays a role in hearing. Acts as a permissive factor for cochlear hair cell survival and activation at the onset of hearing and is required for saccular hair cell survival. Activates ENaC (in vitro).[UniProtKB/Swiss-Prot Function]