

Product datasheet for **MR220687**

Tmprss3 (NM_001163776) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmprss3 (NM_001163776) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tmprss3
Synonyms:	MGC130589
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR220687 representing NM_001163776
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCGCTTCAGAAATGGTGGAGGTGGAGCCGGAACCAACATCAGAGGCCCTGAGATAGTCACCATGG
 GGGAGAATGACCTCCGGCAGCCGAAGCTCCCTTCTCCTCCGGTCTCTTCCGGCTTGGATGATTTGAA
 AATAAGTCCTGTGGCACCAGATGGAGACGAGTGGCTGCCGAGATCTTGTCCCTTCTGCCCTTGAAGTTT
 TTTCCGATCATCGTCATTGGGATCATCGCCTTGATACTGGCGCTGGCCATCGGTCTGGGCATCCACTTCG
 ACTGCTCTGGGAAGTACAGGTGCCATTCATCTTTCAAGTGTATTGAACTAACAGCTCGATGCGACGGGT
 CTCGACTGCAAGAACGCAGAGGATGAGTACCGATGCGTGCAGGTGAGCGGCCAAAGAGCGGCGCTCCAA
 GTGTTACAGCTGCTGCGTGGAGACCATGTGCTCCGATGACTGGAAAAGCCACTATGCCAAGATTGCCCT
 GTGCCAGCTGGGTTTCCAGCTATGTGAGCTCAGACCCTAAGAGTGGATGCGCTGGAGGAGCAGTT
 CCAGGGCGACTTCGTGTCCATCAATCACCTCTTGTGAGATGACAAGGTGACGGCGTTACACCACTCTGTG
 TACATGAGGGAAGCTGCACCTCAGGCCAGTGGTCACCTTGAAGTGTCTAGCCTGTGGCAGGAAACGG
 GCTACAGTCCCGAATTGTGGGTGGAAACATGTCTCGCTCACTCAGTGGCCCTGGCAGGTGAGCCTCCA
 GTTCCAGGGGTACCACCTATGTGGGGGCTCCATCATCACCCCTCTGTGGATCGTCACTGCGGCACACTGT
 GTTTATGACCTGTACCACCCCAAGTCTGGACTGTCCAGTGGGTCTTGTGTCCCTGATGGACAGTCCTG
 TGCCCTCCCATCTGGTGGAGAAAATCATCTATCACAGCAAGTACAAGCCAAAGCGGCTGGGCAATGACAT
 AGCCCTCATGAAGCTGTCCGAGCCACTCACCTTGACGAGACCATCCAGCCCATCTGTCTGCCAACTCT
 GAAGAGAACTTTCCCGATGGGAACTGTGCTGGACCTCAGGATGGGGAGCCACAGAGGATGGAGGTGACG
 CCTCCCTGTCTGAACCACGCGGCTGTCCCTTTAATTTCAAACAAGATCTGCAACCACAGGACGTGTA
 TGGTGGTATCATCTCTCCCTCCATGCTCTGTGCAGGCTACCTGAAGGGCGGTGTGGACAGCTGCCAGGGA
 GACAGTGGAGGACCCCTGGTGTGCCAGGAGAGGAGACTGTGGAAGTTAGTGGGTGCAACAAGTTTTGGAA
 TCGGCTGTGCTGAAGTGAACAAGCCTGGAGTCTATACGCGAATCACCTCTTCTGGACTGGATTACGA
 ACAGTTGGAGAGAGATCTGAAGACT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR220687 representing NM_001163776
 Red=Cloning site Green=Tags(s)

MAASEMVEVEPEPNIRGPEIVTMGENDPPAAEAPFSFRSLFGLDDLKISPVAPDGDVAVAQILSLLPLKF
 FPIIVIGIILALAIIGLGIHFDCSGKYRCHSSFKCIELTARCDGVSDCKNAEDEYRCVRSVSGQRAALQ
 VFTAAAWRTMCSDDWKSHYAKIACAQLGFPSYVSSDHLRVDAL EEQFQGFVSIHLLSDDKVTALHHSV
 YMREGCTSGHVVTLKCSACGTRTGYSPRIVGGNMSLTQWPWQVSLQFQGYHLCGGSIITPLWIVTAAHC
 VYDLYHPKSWTVQVGLVSLMDSVPVSHLVEKIIYHSKYKPKRLGNDIALMKLSEPLTFDETIQPICLPNS
 EENFPDGKLCWTSGWGATEDGGDASPVLNHAAPLISNKICNHRDVYGGIISPSMLCAGYLKGGVDSCQG
 DSGGPLVCQERRLWKLVGATSFIGCAEVNKPVYTRITSFLDWIHEQLERDLKT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9017_a01.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


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

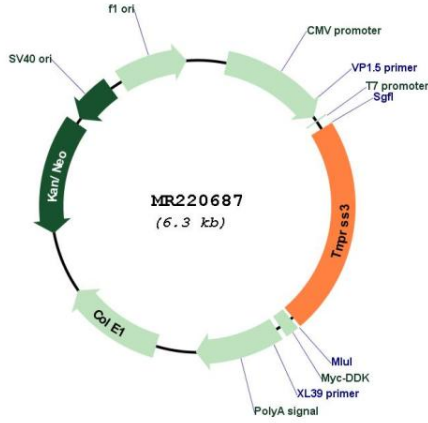
Cytogenetics: 17 A3.3

MW: 52.3 kDa

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]

Product images:



Circular map for MR220687