

Product datasheet for **MG221169**

Tmprss5 (NM_030709) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmprss5 (NM_030709) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tmprss5
Synonyms:	spinesin
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG221169 representing NM_030709
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGATTCGGTGCACGGAAGAGGGTGTGGCCTGGGATCTTCAGAATGGAGTTGGGAGACCAGAGGC
 AATCCATTTCTCAGTCCCAACGCTGGTGTGCCTGCAACGTGGCTGTGTTATACTGGGCGTCTGGGGCT
 TCTGGCTGGAGCAGGCATTGCTTCATGGCTCTTAGTGTTATCTATGGCCAGCTGCCTCTCCATCCATC
 TCTGGGACGTTGCAGGAGGAGAGATGACTTTGAACTGTCCAGGAGTGAGCCGTGAGGAAGAGCTCCTTC
 CATCTCTCCAAAACAGTATCTTTCAGAATAAATGGAGAGGATCTTCTGCTTCAAGTACAAGTAAGAGC
 TCGGCCAGACTGGCTCCTGGTCTGCCACGAGGGCTGGAGCCCCGCCCTGGGCATGCACATCTGCAAGAGT
 CTTGGGCATATCAGGCTTACTCAACACAAGGCCGTGAATCTGTCTGACATCAAGCTCAACAGATCCCAGG
 AGTTTGCTCAACTCTCTGCTAGACCGGGAGGCCTTGTAGAGGAGTCATGAAAACCCAGCGCTAACTGTCC
 TTCTGGCCGAATTGTTTCTCTCAAATGTTCTGAGTGTGGGGCAAGGCCTCTGGCTTCTCGAATAGTTGGC
 GGCCAAGCTGTGGCTTCTGGGCGCTGGCCATGGCAAGCTAGCGTGATGCTTGGCTCCCGGCACACGTGTG
 GGGCCTCTGTGTTGGCACCACACTGGGTAGTGACTGTGCCCACTGCATGTACAGTTTCAGGCTGTCCCG
 CCTATCCAGCTGGCGGGTTCATGCAGGGCTGGTCAGCCACGGTGTGTCGACAACACAGGGAAGTATG
 GTGGAGAAGATCATTCCCACCCCTTGTACAGTGCCAGAACCATGACTATGATGTGGCTCTGCTGCAGC
 TCCGGACACCAATCAACTTCTCAGACACCGTGGGCGCTGTGTGCTTGCCGGCCAAGGAGCAGCACTTTCC
 ATGGGGTTCGAGTGTGGGTGTCTGGCTGGGGCCACACCCAGCCAGCCATACTCATAGCTCAGATAACA
 CTGCAGGACACAATGGTACCCCTGCTCAGCACCTACCTCTGCAACAGCTCATGCATGTACAGTGGGGCAC
 TTACACCCGCATGTTGTGTGCTGGCTACCTGGATGGAAGGGCAGACGCATGCCAGGGAGACAGCGGGGG
 ACCCCTGGTATGTCCAGTGGTACACGTGGCACCTTGTAGGGGTGGTACAGCTGGGGTCTGGCTGTGCA
 GAGCCCAATCGCCAGGTGTCTATGCCAAGGTAGCAGAGTTCCTGGACTGGATCCATGACACTGTGCAGG
 TCCGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG221169 representing NM_030709
 Red=Cloning site Green=Tags(s)

MEIRCTEEGAGPGIFRMELGDQRQSIQSQRWCCLRGCVILGVLGLLAGAGIASWLLVYLWPAASPSI
 SGTLQEEEMTLNCPGVSREEELLPSLPKTVSFRINGEDLLLQVQVRARPDWLLVCHEGWSPALGMHICKS
 LGHIRLTQHKAVNLSDIKLNRSQEFACL SARPGLVEESWKPSANCPSGRIVSLKCECGARPLASRIVG
 GQAVASGRWPWQASVMLGSRHTCGASVLAPHWVTAHCHMYSFRLSRLSSWRVHAGLVSHGAVRQHQGTM
 VEKIIIPHPLYSAQNHDYDVALLQLRTPINFSDTVGAVCLPAKEQHFPWGSQCWVSWGHTDPSHTHSSDT
 LQDTMVPLLSTYLCNSSCMYSGALTHRMLCAGYLDGRADACQGDSSGGLVCPSGDTWHLVGVVSWGRCGA
 EPNRPGVYAKVAEFLDWIHDTVQVR

TRTRPLE - GFP Tag - V

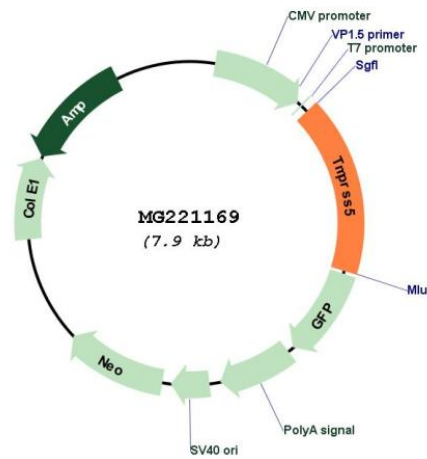
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_030709

ORF Size: 1335 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:	<ol style="list-style-type: none">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:	<u>NM_030709.2</u> , <u>NP_109634.2</u>
RefSeq Size:	2070 bp
RefSeq ORF:	1338 bp
Locus ID:	80893
UniProt ID:	<u>Q9ER04</u>
Cytogenetics:	9 A5.3
Gene Summary:	May play a role in hearing.[UniProtKB/Swiss-Prot Function]