

Product datasheet for **MR221169**

Tmprss5 (NM_030709) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmprss5 (NM_030709) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tmprss5
Synonyms:	spinesin
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR221169 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGATTCGGTGCACGGAAGAGGGTGTGGCCTGGGATCTTCAGAATGGAGTTGGGAGACCAGAGGC
 AATCCATTTCTCAGTCCCAACGCTGGTGTGCCTGCAACGTGGCTGTGTTATACTGGGCGTCTGGGGCT
 TCTGGCTGGAGCAGCATTGCTTCATGGCTCTTAGTGTTATCTATGGCCAGCTGCCTCTCCATCCATC
 TCTGGGACGTTGCAGGAGGAGAGATGACTTTGAACTGTCCAGGAGTGAGCCGTGAGGAAGAGCTCCTTC
 CATCTCTCCAAAACAGTATCTTTCAGAATAAATGGAGAGGATCTTCTGCTTCAAGTACAAGTAAGAGC
 TCGGCCAGACTGGCTCCTGGTCTGCCACGAGGGCTGGAGCCCCGCCCTGGGCATGCACATCTGCAAGAGT
 CTTGGGCATATCAGGCTTACTCAACACAAGGCCGTGAATCTGTCTGACATCAAGCTCAACAGATCCCAGG
 AGTTTGCTCAACTCTCTGCTAGACCGGGAGGCCTTGTAGAGGAGTCATGAAAACCCAGCGCTAACTGTCC
 TTCTGGCCGAATTGTTTCTCAAATGTCTGAGTGTGGGGCAAGGCCTCTGGCTTCTCGAATAGTTGGC
 GGCCAAGCTGTGGCTTCTGGGCGCTGGCCATGGCAAGCTAGCGTGATGCTTGGCTCCCGGCACACGTGTG
 GGGCCTCTGTGTTGGCACCACACTGGGTAGTGACTGTGCCCACTGCATGTACAGTTTCAGGCTGTCCCG
 CCTATCCAGCTGGCGGGTTCATGCAGGGCTGGTCAGCCACGGTGTGTCCGACAACACAGGGAATATG
 GTGGAGAAGATCATTCCCACCCCTTGTACAGTGCCAGAACCATGACTATGATGTGGCTCTGCTGCAGC
 TCCGGACACCAATCAACTTCTCAGACACCGTGGGCGCTGTGTGCTTGCCGGCCAAGGAGCAGCACTTTCC
 ATGGGGTTCGAGTGTGGGTGTCTGGCTGGGGCCACACCCAGCCAGCCATACTCATAGCTCAGATACA
 CTGCAGGACACAATGGTACCCCTGCTCAGCACCTACCTGCAACAGCTCATGCATGTACAGTGGGGCAC
 TTACACCCGCATGTTGTGTGCTGGCTACCTGGATGGAAGGGCAGACGCATGCCAGGGAGCAGCGGGGG
 ACCCCTGGTATGTCCAGTGGTGACACGTGGCACCTTGTAGGGGTGGTCAGCTGGGGTCTGTGGCTGTGCA
 GAGCCCAATCGCCAGGTGTCTATGCCAAGGTAGCAGAGTTCCTGGACTGGATCCATGACACTGTGCAGG
 TCCGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR221169 protein sequence
 Red=Cloning site Green=Tags(s)

MEIRCTEEGAGPGIFRME LGDQRQSI SQSRWCC LQRGCVILGVLG LLAGAGIASWLLVLYLWPAASPSI
 SGTLQEEEMTLNCPGVSREEELLPSLPKTVSFRINGEDLLLQVQVRARPDWLLVCHEGWSPALGMHICKS
 LGHIRLTQHKA VNLSDIKLNRSQEF AQLSARPGGLVEESWKPSANCP SGRIVSLKCECGARPLASRIVG
 GQAVASGRWPWQASVMLGSRHTCGASVLA PHWVVTAAHC MYSFRLSRLSSWRVHAGLVSHGAVRQHQTGM
 VEKIIPHPLYS AQNH DYD VALLQLRTPINFSDTVGAVCLPAKEQHFPWGSQCWVSWGHTDPSHTHSSDT
 LQDTMVP LLSTYLCNSSCMYSGALTHRMLCAGYLDGRADACQGDSSGGLVCPSGDTWHLVGVVSWGRGCA
 EPNRPGVYAKVAEFLDWIHD TVQVR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_030709

ORF Size: 1338 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_030709.2](#), [NP_109634.2](#)

RefSeq Size: 2070 bp

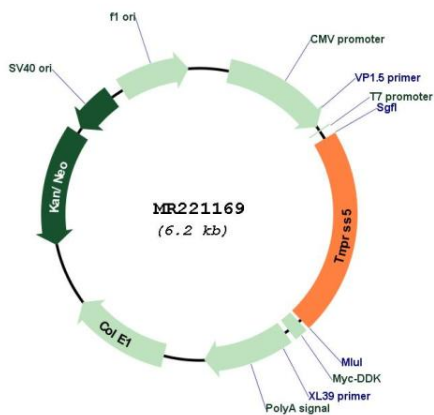
RefSeq ORF: 1338 bp

Locus ID: 80893

UniProt ID: [Q9ER04](#)

Cytogenetics: 9 A5.3
 MW: 48.6 kDa
 Gene Summary: May play a role in hearing.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR221169