

Product datasheet for **RG223774**

TMPRSS5 (NM_030770) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMPRSS5 (NM_030770) Human 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:

>RG223774 representing NM_030770
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCCTGATGTGGATGACCAACCCCTATGGAGGCCAGTATGCAGAGGAGGGCCAGGACCTGGGA
 TCTTCAGAGCAGAGCCTGGAGACCAGCAGCATCCATTTCTCAGGCGGTGTGCTGGCGTTCCATGCGACG
 TGGCTGTGCACTGCTGGGAGCCCTGGGGCTGCTGGCCGGTGCAGGTGTTGGCTCATGGCTCCTAGTGCTG
 TATCTGTGTCCTGCTGCCTCTCAGCCCATTCCGGGACCTTCAGGATGAGGAGATAACTTTGAGCTGCT
 CAGAGGCCAGCGCTGAGGAAGCTCTGCTCCCTGCACTCCCAAAACAGTATCTTTCAGAATAAACAGCGA
 AGACTTCTTGTGGAAGCGCAAGTGAGGGATCAGCCACGCTGGCTCCTGGTCTGCCATGAGGGCTGGAGC
 CCCGCCCTGGGGCTGCAGATCTGCTGGAGCCTTGGGCATCTCAGACTCACTACCACAAGGGAGTAAACC
 TCACTGACATCAAACAGTCCAGGAGTTTCTCAGCTCTCTCCTAGACTGGGAGGCTTCTCTGGA
 GGAGGCGTGGCAGCCAGGAACAACTGCACTTCTGGTCAAGTTGTTCCCTCAGATGCTCTGAGTGTGGA
 GCGAGGCCCTGGCTTCCCGGATAGTTGGTGGGAGTCTGTGGCTCCTGGGCGCTGGCCGTGGCAGGCCA
 GCGTGGCCCTGGGCTTCCGGCACACGTGTGGGGCTCTGTGCTAGCGCCACGCTGGTGGTACTGCTGC
 ACATTGTATGCACAGTTTCAGGCTGGCCCGCTGTCCAGCTGGCGGGTTCATGCGGGCTGGTCAGCCAC
 AGTGCCGTGAGGCCACCAAGGGGCTCTGGTGGAGAGGATTATCCACACCCCTCTACAGTGCCGAGA
 ATCATGACTACGACGTCGCCCTCCTGAGGCTCCAGACCGCTCTCAACTTCTCAGACACTGTGGGCGCTGT
 GTGCTGCCGGCAAGGAACAGCATTTCGAAGGGCTCGCGGTGCTGGGTGCTGGCTGGGGCCACACC
 CACCCTAGCCATACTTACAGCTCGGATATGCTCCAGGACACGGTGGTGCCTTGTTCAGCACTCAGCTCT
 GCAACAGCTCTTGCCTGTACAGCGGAGCCCTCACCCCGCATGCTTTGCGCTGGCTACCTGGACGGAAG
 GGCTGATGCATGCCAGGAGATAGCGGGGGCCCCCTAGTGTGCCAGATGGGGACACATGGCGCCTAGTG
 GGGGTGGTCACTGGGGCGTGCCTGCGCAGAGCCCAATCACCCAGGTGTCTACGCCAAGGTAGCTGAGT
 TTCTGGACTGGATCCATGACACTGCTCAGGACTCCCTCCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG223774 representing NM_030770
 Red=Cloning site Green=Tags(s)

MSLMLDDQPMEAQYAEEGPGPIFRAEPGDQQHPISQAVCWRSMRRCVAVL GALGLLAGAGVGSWLLVL
 YLCPAASQPISGTLQDEEITLSCSEASAEALLPALPKTVSFRINSEDFLLEAQVRDQPRWLLVCHGWS
 PALGLQICWSLGHRLTHHKGVNLDIKLNSSQEFQALSPRLGGFLEEAWQPRNNCTSGQVVSLRCSECG
 ARPLASRIVGGQSVAPGRWPQASVALGFRHTCGGSVLAPRWVVTAAHCMHSFRLARLSSWRVHAGLVSH
 SAVRPHQALVERIIPHPLYSAQNHDYDVALRLQTALNFSDTVGA VCLPAKEQHFPKGSRCWVSGWGHT
 HPSHTYSSDMLQDTVVPLFSTQLCNSSCVYSGALTPRMLCAGYLDGRADACQGDSSGGLVCPDGDWRLV
 GVVSWGRACAEPNHPGVYAKVAEFLDWIHDTAQDSSL

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_030770

ORF Size: 1371 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_030770.1](#), [NP_110397.1](#)

RefSeq Size: 2265 bp

RefSeq ORF: 1374 bp

Locus ID: 80975

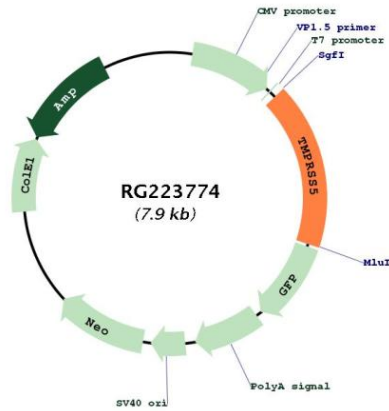
UniProt ID: [Q9H3S3](#)

Cytogenetics: 11q23.2

Protein Families: Druggable Genome, Protease, Transmembrane

Gene Summary: This gene encodes a protein that belongs to the serine protease family. Serine proteases are known to be involved in many physiological and pathological processes. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]

Product images:



Circular map for RG223774