

Product datasheet for **RC238296**

TMPRSS5 (NM_001288751) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMPRSS5 (NM_001288751) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TMPRSS5
Synonyms:	SPINESIN
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide
Sequence:

>RC238296 representing NM_001288751
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACAGGGTGGGACAGTGGAGGGCAATCATCTACATTCCCCGGATCCTCCTTGGGGTACGCCCCACA
TGATTGATGTTTTCTCAGGCAGTGTGCTGGCGTTCCATGCGACGTGGCTGTGCAGTCTGGGAGCCCTGGG
GCTGCTGGCCGGTGCAGGTGTTGGCTCATGGCTCCTAGTCTGTATCTGTGTCCTGCTGCCTCTCAGCCC
ATTTCCGGGACCTTGACAGGATGAGGAGATAACTTTGAGCTGCTCAGAGGCCAGCGCTGAGGAAGCTCTGC
TCCCTGCACCTTCCAAAACAGTATCTTTTCAAGATAAACAGCGAAGACTTCTTGCTGGAAGCGCAAGTGAG
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AGCCTTGGGCATCTCAGACTCACTACCACAAGGGAGTAAACCTCACTGACATCAAACCTCAACAGTTCCC
AGGAGTTTGTCTCAGCTCTCTCTAGACTGGGAGGCTTCTGGAGGAGCGTGGCAGCCCAGGAACAAGT
CACTTCTGGTCAAGTTGTTTCCCTCAGATGCTCTGAGTGTGGAGCGAGGCCCTGGCTTCCCGGATAGTT
GGTGGGACGTCTGTGGCTCCTGGGCGCTGGCCGTGGCAGGCCAGCGTGGCCCTGGGCTTCCGGCACACGT
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CCGCTGTCCAGCTGGCGGGTTCATGCGGGGCTGGTACGCCACAGTGGCCGTACGGCCCCACCAAGGGGCT
CTGGTGGAGAGGATTATCCACACCCCCCTACAGTGGCCAGAATCATGACTACGACGTCGCCCCCTCTGA
GGCTCCAGACCGCTCTCAACTTCTCAGACACTGTGGGCGCTGTGTGCCTGCCGGCCAAGGAACAGCATT
TCCGAAGGGCTCGCGGTGCTGGGTGTCTGGCTGGGGCCACACCCACCCTAGCCATACTTACAGCTCGGAT
ATGCTCCAGGACACGGTGGTGCCTTGTTCAGCACTCAGCTCTGCAACAGCTCTTGCCTGTACAGCGGAG
CCCTCACCCCGCATGCTTTGCGTGGCTACCTGGACGGAAGGGCTGATGCATGCCAGGGAGATAGCGG
GGCCCCCTAGTGTGCCAGATGGGACACATGGCGCCTAGTGGGGGTGGTTCAGCTGGGGCGTGGCTGC
GCAGAGCCCAATCACCCAGGTGTCTACGCCAAGGTAGCTGAGTTTCTGGACTGGATCCATGACACTGCTC
AGGACTCCCTCCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

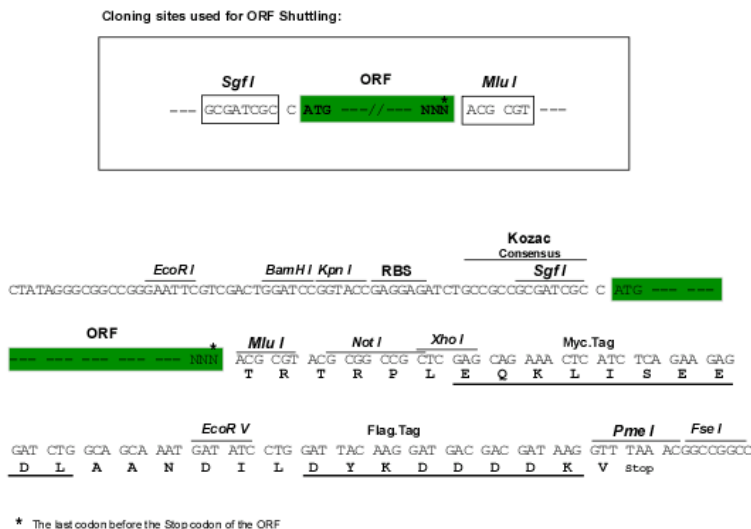
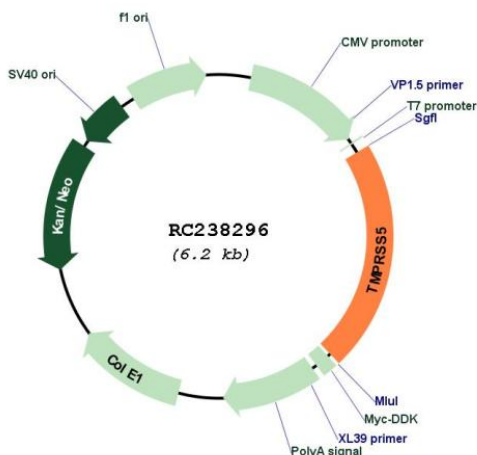
>RC238296 representing NM_001288751
Red=Cloning site Green=Tags(s)

MTGWGQWRRAIILHSPDPPWGPQPHMIDVSAVCWRSMRGCAVLGALGLLAGAGVGSWLLVLYLCPAASQP
ISGTLQDEEITLSCSEASAEALLPALPKTVSFRINSEDFLLEAQVRDQPRWLLVCHEGWSPALGLQICW
SLGHLRLTHHKGVNLTDIKLNSSQEFALSPRLGGFLEEAWQPRNNCTSGQVVSRLRCSECGARPLASRIV
GGQSVAPGRWPWQASVALGFRHTCGGSVLAPRWVVTAAHCMHSFRLARLSSWRVHAGLVSHSAVRPHQGA
LVERIIPHPLYSANHDYDVALLRQLTALNFSDTVGAVCLPAKEQHFPKGSRCWVSWGHTHPSHTYSSD
MLQDTVVPLFSTQLCNSSCVYSGALTPRMLCAGYLDGRADACQDSSGGPLVCPDGDWRLVGVVSWGRGC
AEPNHPGVYAKVAEFLDWHDTAQDSSL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001288751

ORF Size: 1344 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_001288751.1, NP_001275680.1</u>
RefSeq Size:	2364 bp
RefSeq ORF:	1347 bp
Locus ID:	80975
UniProt ID:	<u>Q9H3S3</u>
Cytogenetics:	11q23.2
Protein Families:	Druggable Genome, Protease, Transmembrane
MW:	49.2 kDa
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]