

Product datasheet for **RG234269**

TMPRSS13 (NM_001206790) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMPRSS13 (NM_001206790) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TMPRSS13
Synonyms:	MSP; MSPL; MSPS; TMPRSS11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG234269 representing NM_001206790
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGAGGGACAGCCACGGGAATGCATCTCCAGCAAGAACACCTTCAGCTGGAGCATCTCCAGCCCAGG
 CATCTCCAGCTGGGACACCTCCAGGCCGGGCATCTCCAGCCCAGGCATCTCCAGCCCAGGCATCTCCAGC
 TGGGACACCTCCGGGCCGGGCATCTCCAGCCCAGGCATCTCCAGCTGGTACACCTCCAGGCCGGGCATCT
 CCAGGCCGGGCATCTCCAGCCCAGGCATCTCCAGCCCAGGCATCTCCAGCCCAGGCATCTCCAGCCCAGGCATCTCCAGGCTCTGG
 CATCACTTTCCAGGTCCTCATCCGGCAGGTCATCATCCGCCAGGTCAGCCTCGGTGACAACCTCCCCAAC
 CAGAGTGTACCTTGTAGAGCAACACCAGTGGGGGCTGTACCCATCCGATCATCTCTGCCAGGTCAGCA
 CCAGCAACCAGGGCCACCAGGGAGAGCCAGGTCAGAGCCTGCCAAGTTCACCTGGCGGGAGGGCCAGA
 AGCAGCTACCGCTCATCGGGTGCCTCTCTCATTGCCCTGGTGGTTTCGCTCATCATCTCTTCCA
 GTTCTGGCAGGGCCACACAGGGATCAGGTACAAGGAGCAGAGGGAGAGCTGTCCAAGCAGCCTGTTCCG
 TGTGACGGGGTGGTGGACTGCAAGCTGAAGAGTACGAGCTGGGCTGCGTGAGGTTTGACTGGGACAAGT
 CTCTGCTTAAATCTACTCTGGGTCTCCCATCAGTGGCTTCCATCTGTAGCAGCAACTGGAATGACTC
 TACTCAGAGAAGACCTGCCAGCAGCTGGGTTTCGAGAGTGTCCACGGACAACCGAGGTTGCCACAGG
 GATTTTGCCAACAGCTTCTCAATCTTGAGATAAACTCCACCATCCAGGAAAGCCTCCACAGGTCGAAT
 GCCCTTCCAGCGGTATATCTCTCTCCAGTGTCCCACTGCGGACTGAGGGCCATGACGGGGCGGATCGT
 GGGAGGGCGCTGGCCTCGGATAGCAAGTGGCCTTGGCAAGTGAAGTCTGCACTTCGGCACCACCCACATC
 TGTGGAGGCACGCTCATTGACGCCAGTGGTGTCTCACTGCCGCCACTGCTTCTGTGACCCGGGAGA
 AGTCTCTGGAGGGCTGGAAGGTGACGGGGACCAGCAACCTGCACCAGTTGCCTGAGGCAGCCTCCAT
 TGCCGAGATCATCATCAACAGCAATTACACCGATGAGGAGGACGACTATGACATCGCCCTCATGCGGCTG
 TCCAAGCCCTGACCCTGTCGGTGGGGAATCTGCACTCCCGCTCTCTGCCCCCAGCCCCAGCACC
 CTCTGCAGCCCTCGCACTTGTGAGCATCTGCAACTCATATCCGGGCCCAAGCTTCTGCAGGGCAGAA
 GTCAAAGACTCTTAAAGATCCTTACATGGAACACTTCTGTTTTATAATTAGGAAACTGAAGCCCAAGG
 TTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG234269 representing NM_001206790
 Red=Cloning site Green=Tags(s)

MERDSHGNASPARTPSAGASPAQASPAGTPPGRASPAQASPAQASPAGTPPGRASPAQASPAQASPAGTPPGRAS
 PGRASPAQASPAQASPARASPALASLSRSSGRSSSARSASVTTSPTRVYLVRATPVGAVPIRSSPARSA
 PATRATRESPGTSPLKFTWREGQKQLPLIGCVLLLIALLVSLIILFQFWQGHGTGIRYKEQRESCPKHAVR
 CDGVVDCCLKSDELGCVRFDWDKSLKIIYSGSSHQWLPICSSNWNDSYSEKTCQQLGFESAHRTTEVAHR
 DFANSFSILRYNSTIQESLHRSECPQRYISLQCSHCGLRAMTGRIVGGALASDSKWPQVSLHFGTTHI
 CGGTLIDAQWVLTAAHCFVVTREKVLGKWKVYAGTSLNLHQLPEAASIAEIIINSNYTDEEDDYDIALMRL
 SKPLTLSGEGICTPRSPAPQPQHPLQPSHLSASVNSYPGPKASAGQKSKTLKDPYMEHFCFIIRETEAQG
 L

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001206790

ORF Size: 1473 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_001206790.1](#), [NP_001193719.1](#)

RefSeq Size: 2245 bp

RefSeq ORF: 1476 bp

Locus ID: 84000

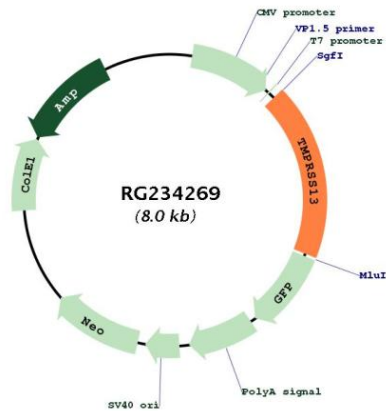
UniProt ID: [Q9BYE2](#)

Cytogenetics: 11q23.3

Protein Families: Druggable Genome, Protease, Transmembrane

Gene Summary: This gene encodes a member of the type II transmembrane serine protease family. Transmembrane serine proteases are regulated by protease inhibitors and known to function in development, homeostasis, infection, and tumorigenesis. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]

Product images:



Circular map for RG234269