

Product datasheet for **RG229994**

TMPRSS4 (NM_001173552) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TMPRSS4 (NM_001173552) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: TMPRSS4
Synonyms: CAP2; CAPH2; MT-SP2; TMPRSS3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG229994 representing NM_001173552
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATCCTGACAGTGATCAACCTCTGAACAGCCTCGTCAAGGTGATTCTGGATAAATACTACTTCTCT
GCGGGCAGCCTCTCCACTTCATCCCGAGGAAGCAGCTGTGTGACGGAGAGCTGGACTGTCCCTTGGGGGA
GGACGAGGAGCACTGTGTCAAGAGCTTCCCGAAGGGCCTGCAGTGGCAGTCCGCCTCTCCAAGGACCGA
TCCCACTGCAGGTGCTGGACTCGGCCACAGGAACTGGTTCTCTGCCTGTTTCGACAACCTCACAGAAG
CTCTCGCTGAGACAGCCTGTAGGCAGATGGGCTACAGCAGCAAACCCACTTTCAGAGCTGTGGAGATTGG
CCCAGACCAGGATCTGGATGTTGTTGAAATCACAGAAAACAGCCAGGAGCTTCGCATGCGGAACTCAAGT
GGGCCCTGTCTCTCAGGCTCCCTGGTCTCCCTGCACTGTCTTGCCTGTGGGAAGAGCCTGAAGACCCCC
GTGTGGTGGTGGGGAGGAGGCCTCTGTGGATTCTTGGCCTTGGCAGGTGAGCATCCAGTACGACAAAACA
GCACGTCTGTGGAGGGAGCATCCTGGACCCCCACTGGGTCTCACGGCAGCCACTGCTTCAGGAAACAT
ACCGATGTGTTCAACTGGAAGGTGCGGGCAGGCTCAGACAAAAGACAATGACATCGCCCTCATGAAGCTGCA
GTTCCCACTCACTTCTCAGGCACAGTCAGGCCCATCTGTCTGCCCTTCTTTGATGAGGAGCTCACTCCA
GCCACCCCACTCTGGATCATTGGATGGGCTTTACGAAGCAGAATGGAGGGAAGATGCTGACATACTGC
TGCAGGCGTCAGTCCAGTCAATTGACAGCACACGGTGCAATGCAGACGATGCGTACCAGGGGAAGTCAC
CGAGAAGATGATGTGTGACAGCATCCCGAAGGGGGTGTGGACACCTGCCAGGTTGACAGTGGTGGGCC
CTGATGTACCAATCTGACCAGTGGCATGTGGTGGGCATCGTTAGTTGGGCTATGGCTGCGGGGGCCCGA
GCACCCAGGAGTATACCAAGGTCTCAGCCTATCTCAACTGGATCTACAATGTCTGGAAGGCTGAGCT
G

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG229994 representing NM_001173552
 Red=Cloning site Green=Tags(s)

MDPDSQPLNSLVKIVLDKYYFLCGQPLHFIPRKQLCDGELDCPLGEDEEHCVKSFPEGPAAVAVRLSKDR
 STLQVLD SATGNWFSACFDNFTEALAE TACRQMGYSSKPTFRAVEIGPDQDL DVVEITENSQELMRNSS
 GPCLSGSLVSLHCLACGKSLKTPRVVGGEEASVDSWPWQVSIQYDKQHVC GGSILDPHWLTA AHCFRKH
 TDVFNWKVRAGSDKLG SFPSLAVAKII IIEFNPMYPKDNDIALMKLQFPLTFSGTVRPICLPFFDEELTP
 ATPLWIIIGWGF TKQNGGKMSDILLQASVQVIDSTRCNADDA YQGEVTEKMM CAGIPEGGVDTCQGDSSGP
 LMYQSDQWHVVGIVSWGYGCGGPSTPGVYTKVSAYLNWIYNVWKAEL

TRTRPLE - GFP Tag - V

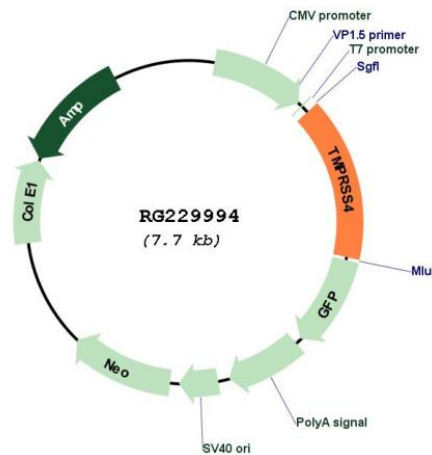
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001173552

ORF Size:	1191 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:	NM_001173552.1 , NP_001167023.1
RefSeq Size:	3429 bp
RefSeq ORF:	1194 bp
Locus ID:	56649
UniProt ID:	Q9NRS4
Cytogenetics:	11q23.3
Protein Families:	Druggable Genome, Protease, Transmembrane
Gene Summary:	This gene encodes a member of the serine protease family. Serine proteases are known to be involved in a variety of biological processes, whose malfunction often leads to human diseases and disorders. This gene was identified as a gene overexpressed in pancreatic carcinoma. The encoded protein is membrane bound with a N-terminal anchor sequence and a glycosylated extracellular region containing the serine protease domain. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]