

Product datasheet for **RG238061**

TMPRSS4 (NM_001290094) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMPRSS4 (NM_001290094) 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:	>RG238061 representing NM_001290094. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGACCTTCAGAAAGGTGGGGATCCCCATCATCATAGCACTACTGAGCCTGGCGAGTATCATCATT
GTGGTTGTCTCATCAAGGTGATTCTGGATAAATACTACTTCTCTGCGGGCAGCCTCTCCACTTCATC
CCGAGGAAGCAGCTGTGTACGGAGAGCTGGACTGTCCCTTGGGGGAGGACGAGGAGCACTGTGTCAAG
AGCTTCCCGAAGGGCTGCAGTGGCAGTCCGCCTCTCCAAGGACCGATCCACACTGCAGGTGCTGGAC
TCGGCCACAGGGAAGTGTCTGCTGCTGTTTCGACAACCTCACAGAAGCTCTCGCTGAGACAGCCTGT
AGGCAGATGGGCTACAGCAGCAAACCCACTTTCAGAGCTGTGGAGATTGGCCAGACCAGGATCTGGAT
GTTGTTGAAATCACAGAAAACAGCCAGGAGCTTCGCATGCGGAACTCAAGTGGGCCCTGTCTCTCAGGC
TCCTGTGCTCCCTGCACTGTCTTGCTGTGGGAAGAGCCTGAAGACCCCCCGTGTGGTGGTGGGGAG
GAGGCCTCTGTGGATTCTTGGCCTTGGCAGGTCAGCATCCAGTACGACAAACAGCACGTCTGTGGAGGG
AGCATCTGGACCCCACTGGGTCTCACGGCAGCCCACTGCTTCAGGAAACATACCGATGTGTTCAAC
TGGAAGGTGCGGGCAGGCTCAGACAACTGGGCAGCTTCCCATCCCTGGCTGTGGCAAGATCATCATC
ATTGAATCAACCCATGTACCCCAAAGACAATGACATCGCCCTCATGAAGCTGCAGTTCCTCACTACT
TTCTCAGGCACAGTCAGGCCATCTGTCTGCCCTTCTTTGATGAGGAGCTCACTCCAGCCACCCCACTC
TGGATCATTGGATGGGGCTTACGAAGCAGAATGGAGGGAAGATGTCTGACATAGTCTGCAGGCGTCA
GTCAGGTCATTGACAGCACACGGTGAATGCAGACGATGCGTACCAGGGGAAGTCACCGAGAAGATG
ATGTGTGCAGGCATCCCGAAGGGGTGTGGACACCTGCCAGGTTGACAGTGGTGGGCCCTGATGTAC
CAATCTGACCAAGTGGCATGTGGTGGGCATCGTTAGTTGGGGCTATGGCTGCGGGGGCCCGAGCACCCCA
GGAGTATACCAAGGTCTCAGCCTATCTCAACTGGATCTACAATGTCTGGAAGGCTGAGCTG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG238061
 Blue=ORF Red=Cloning site Green=Tag(s)

METFRKVGIPIIIALLSLASIIIVVLIKVILDKYYFLCGQPLHFIPRKQLCDGELDCPLGEDEEHCVK
 SFPEGPAAVAVRLSKDRSTLQVLDSATGNWFACFDNFTEALAEACRQMGYSSKPTFRAVEIGPDQDL
 VVEITENSQELMRNSSGPCLSGSLVSLHCLACGKSLKTPRVVGGEEASVDSWPWQVSIQYDKQHVCGG
 SILDPHWLTAAHCFRKHTDVFVNWKVRAGSDKLGSPSLAVAKIIIEFNPMYPKDNDIALMKLQFPLT
 FSGTVRPICLPFFDEELTPATPLWIGWGFTKQNGGKMSDILLQASVQVIDSTRCNADDA YQGEVTEKM
 MCAGIPEGGVDTCCQDSDGGLMYQSDQWHVVGIVSWGYGCGPSTPGVYTKVSAYLNWIYNVWKAEL
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001290094

ORF Size: 1236 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).

RefSeq: [NM_001290094.1](#), [NP_001277023.1](#)

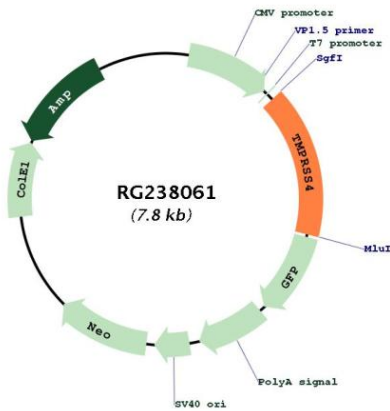
RefSeq Size: 3553 bp

RefSeq ORF: 1239 bp
 Locus ID: 56649
 Cytogenetics: 11q23.3

Protein Families: Druggable Genome, Protease, Transmembrane
 MW: 45.8 kDa

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]

Product images:



Circular map for RG238061