

Product datasheet for **RC225665**

TMPRSS11A (NM_001114387) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TMPRSS11A (NM_001114387) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: TMPRSS11A
Synonyms: ECRG1; HATL1; HESP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC225665 representing NM_001114387
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGTATCGGACAGTAGGATTTGGCACCCGAAGCAGAAATCTGAAGCCATGGATGATTGCCGTTCTCA
TTGTGTTGTCCCTGACAGTGGTGGCAGTGACCATAGGTCTCTGGTTCACCTCCTAGTATTTGACCAAAA
AAAGGAGTACTATCATGGCTCCTTTAAATTTTAGATCCACAAATCAATAACAATTCGGACAAAGCAAC
ACATATCAACTTAAGGACTTACGAGAGACGACCGAAAAATTTGGTGGATGAGATATTTATAGATTCAGCCT
GGAAGAAAAATTATCAAGAACCAAGTAGTCAGACTGACTCCAGAGGAAGATGGTGTGAAAGTAGATGT
CATTATGGTGTTCAGTTCCTCTACTGAACAAAGGGCAGTAAGAGAGAAGAAAATCCAAAGCATCTTA
AATCAGAAGATAAGGAATTTAAGAGCCTTGCCAATAAATGCCTCATCAGTTCAAGTTAATGCAATGAGCT
CATCAACAGGGGAGTTAACTGTCCAAGCAAGTTGTGGTAAACGAGTTGTTCCATTAACGTCACAGAAAT
AGCATCTGGAGTCATTGCACCAAGGCGCCTGGCCTTGCAAGCTTCCTTCAGTATGATAACATCCAT
CAGTGTGGGGCCACCTTGATTAGTAACACATGGCTTGCTACTGCAGCACACTGCTCCAGAAGTAAAA
ATCCACATCAATGGACTGTTAGTTTTGGAACAAAAATCAACCTCCCTTAATGAAAAGAAATGTCAGAAG
ATTTATATCCATGAGAAGTACCGCTCTGCAGCAAGAGAGTACGACATTGCTGTTGTGCAGGTCTCTTCC
AGAGTCACCTTTTCGGATGACATACGCCGATTTGTTTGCCAGAAGCCTCTGCATCCTTCCAACCAATT
TGACTGCCACATCACAGGATTTGGAGCACTTTACTATGGTGGGAATCCAAAAATGATCTCCGAGAAGC
CAGAGTAAAAATCATAAGTGACGATGTCTGCAAGCAACCACAGGTGTATGGCAATGATATAAAACCTGGA
ATGTTCTGTGCCGATATATGGAAGGAATTTATGATGCCTGCAGGGGTGATTCTGGGGGACCTTTAGTCA
CAAGGGATCTGAAAGATACGTGGTATCTCATTGGAATTGTAAGCTGGGGAGATAACTGTGGTCAAAGGA
CAAGCCTGGAGTCTACACACAAGTGACTTATTACCGAACTGGATTGCTTCAAAAACAGGCATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RC225665 representing NM_001114387
 Red=Cloning site Green=Tags(s)

MMYRTVGFGRSRNLKPWMIAVLIVLSLTVVAVTIGLLVHFLVFDQKKEYYHGSFKILDPOINNNFGQSN
 TYQLKDLRETTENLVDEIFIDSAWKKNYIKNQVVRLTPEEDGVKVDVIMVFQFPSTEQRAVREKKIQSIL
 NQKIRNLRALPINASSVQVNMSSSTGELTVQASCGKRVVPLNVNRIASGVIAPKAAWPWQASLQYDNIH
 QCGATLISNTWLVTAAHCFQKYKNPHQWTVSFGTKINPPLMKRNVRRFIIHEKYRSAAREYDIADVQVSS
 RVTFSDDIRRICLPEASASFQPNLTVHITGFALYYGGESQNDLREARVKIISDDVCKQPQVYVYNDIKPG
 MFCAGYMEGIYDACRGDSGGPLVTRDLKDTWYLIIGIVSWGDNCGQKDKPGVYTVTYRNIASKGTI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001114387

ORF Size: 1254 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001114387.1](#), [NP_001107859.1](#)

RefSeq ORF: 1257 bp

Locus ID: 339967

UniProt ID: [Q6ZMR5](#)

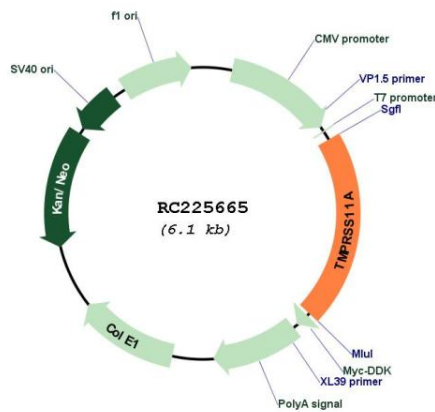
Cytogenetics: 4q13.2

Protein Families: Druggable Genome, Transmembrane

MW: 47 kDa

Gene Summary: Probable serine protease which may play a role in cellular senescence. Overexpression inhibits cell growth and induce G1 cell cycle arrest.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC225665