

Product datasheet for **RC221395**

TMPRSS11A (NM_182606) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMPRSS11A (NM_182606) 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)



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ORF Nucleotide Sequence:

>RC221395 representing NM_182606
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGATGTATCGGACAGTAGGATTTGGCACCCGAAGCAGAAATCTGAAGCCATGGATGATTGCCGTTCTCA
 TTGTGTTGTCCCTGACAGTGGTGGCAGTGACCATAGGTCTCTGGTTCACTTCTAGTATTTGACCAAAA
 AAAGGAGTACTATCATGGCTCCTTTAAATTTTAGATCCACAAATCAATAACAATTTTCGGACAAAGCAAC
 ACATATCAACTTAAGGACTTACGAGAGACGACCGAAAAATTTGGTGAGTCAGGTGGATGAGATATTTATAG
 ATTCAGCCTGGAAGAAAAATTATATCAAGAACCAAGTAGTCAGACTGACTCCAGAGGAAGATGGTGTGAA
 AGTAGATGTCATTATGGTGTCCAGTCCCTCTACTGAACAAAGGGCAGTAAGAGAGAAGAAAAATCCAA
 AGCATCTTAAATCAGAAGATAAGGAATTTAAGAGCCTTGCCAATAAATGCCTCATCAGTTCAAGTTAATG
 CAATGAGCTCATCAACAGGGGAGTTAACTGTCCAAGCAAGTTGTGGTAAACGAGTTGTTCCATTAAACGT
 CAACAGAATAGCATCTGGAGTCATTGCACCAAGGCGGCTGGCCTTGGCAAGCTTCCCTTCAGTATGAT
 AACATCCATCAGTGTGGGCCACCTTGATTAGTAACACATGGCTTGTCACTGCAGCACACTGCTTCCAGA
 AGTATAAAAAATCCACATCAATGGACTGTTAGTTTTGGAACAAAAATCAACCTCCCTTAATGAAAAGAAA
 TGTGAGAAGATTATTATCCATGAGAAGTACCGCTCTGCAGCAAGAGAGTACGACATTGCTGTTGTGCAG
 GTCTCTTCAGAGTCACCTTTTCGGATGACATACGCCGATTGTTTGCCAGAAGCCTCTGCATCCTTCC
 AACCAATTTGACTGTCCACATCACAGGATTTGGAGCACTTTACTATGGTGGGAATCCCAAAATGATCT
 CCGAGAAGCCAGAGTGAAATCATAAGTGACGATGTCTGCAAGCAACCACAGGTGTATGGCAATGATATA
 AAACCTGGAATGTTCTGTGCCGATATATGGAAGGAATTTATGATGCCTGCAGGGGTGATTCTGGGGGAC
 CTTTAGTCACAAGGGATCTGAAAGATACGTGGTATCTCATTGGAATTGTAAGCTGGGGAGATAACTGTGG
 TCAAAAGGACAAGCCTGGAGTCTACACACAAGTGACTTATTACCGAACTGGATTGCTTCAAAAACAGGC
 ATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC221395 representing NM_182606
 Red=Cloning site Green=Tags(s)

MMYRTVGFGRSRNLKPWMIIVLSLTVVAVTIGLLVHFLVFDQKKEYYHGSFKILDPOINNFGQSN
 TYQLKDLRETTENLVSQVDEIFIDSAWKKNYIKNQVVRLTPEEDGVKVDVIMVFQFPSTEQRAVREKKIQ
 SILNQKIRNLRALPINASSVQVNMSSSTGELTVQASCGKRVVPLNVNRIASGVIAPKAAPWQASLQYD
 NIHQCGATLISNTWLVTAAHCFQKYKNPHQWTVSFGTKINPPLMKRNVRRFIIEHKYRSAAREYDIAVVQ
 VSSRVTFSDDIRRICLPEASASFQPNLTVHITGFGALYGGESQNDLREARVKIISDDVCKQPQVYGNDI
 KPGMFCAGYMEGIYDACRGDSSGGLVTRDLKDTWYLIGIVSWGDNCGQKDKPGVYTQVYYRNWIASKTG
 I

TRTRPLE**QKLISEEDLAANDILDYKDDDDK**V

Chromatograms:

https://cdn.origene.com/chromatograms/mk8013_e12.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_182606

ORF Size: 1263 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_182606.2](#), [NP_872412.2](#)

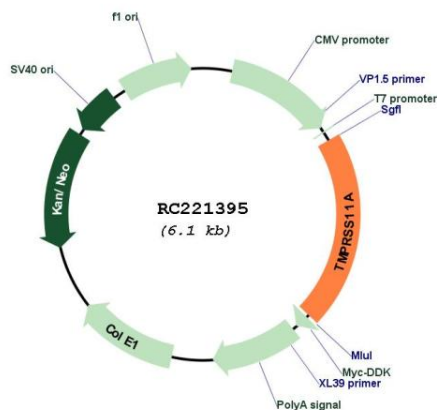
RefSeq Size: 2429 bp

RefSeq ORF: 1266 bp

Locus ID: 339967

UniProt ID:	<u>Q6ZMR5</u>
Cytogenetics:	4q13.2
Protein Families:	Druggable Genome, Transmembrane
MW:	47.4 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 RC221395