

Product datasheet for **RG221395**

TMPRSS11A (NM_182606) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TMPRSS11A (NM_182606) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: TMPRSS11A
Synonyms: ECRG1; HATL1; HESP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG221395 representing NM_182606
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGATGTATCGGACAGTAGGATTTGGCACCCGAAGCAGAAATCTGAAGCCATGGATGATTGCCGTTCTCA
 TTGTGTTGTCCCTGACAGTGGTGGCAGTGACCATAGGTCTCCTGGTTCACCTCCTAGTATTTGACCAAAA
 AAAGGAGTACTATCATGGCTCCTTTAAATTTTAGATCCAAAAATCAATAACAATTTCCGACAAAGCAAC
 ACATATCAACTTAAGGACTTACGAGAGACGACCGAAAAATTTGGTGAAGTCCAGGATGAGATATTTATAG
 ATTCAGCCTGGAAGAAAAATTATCAAGAACCAAGTAGTCAGACTGACTCCAGAGGAAGATGGTGTGAA
 AGTAGATGTCATTATGGTGTCCAGTCCCTCTACTGAACAAAGGGCAGTAAGAGAGAAGAAAAATCCAA
 AGCATCTTAAATCAGAAGATAAGGAATTAAGAGCCTTGCCAATAAATGCCTCATCAGTTCAAGTTAATG
 CAATGAGCTCATCAACAGGGGAGTTAACTGTCCAAGCAAGTTGTGGTAAACGAGTTGTTCCATTAACGT
 CAACAGAAATAGCATCTGGAGTCAATGCACCAAGGCGCCTGGCCTTGGCAAGCTCCCTTCAGTATGAT
 AACATCCATCAGTGTGGGCCACCTTGATTAGTAACACATGGCTTGTCACTGCAGCACACTGCTCCAGA
 AGTATAAAAAATCCACATCAATGGACTGTTAGTTTTGGAACAAAAATCAACCCTCCCTTAATGAAAAGAAA
 TGTCAGAAGATTTATTATCCATGAGAAGTACCGCTCTGCAGCAAGAGAGTACGACATTGCTGTTGTGCA
 GTCTCTCCAGAGTCACCTTTTCGGATGACATACGCCGATTTGTTTGGCAGAAGCCTTCGCATCCTTCC
 AACCAAAATTTGACTGTCCACATCACAGGATTTGGAGCACTTTACTATGGTGGGAATCCCAAAATGATCT
 CCGAGAAGCCAGAGTGAATATCATAAGTACGATGTCTGCAAGCAACCACAGGTGTATGGCAATGATATA
 AAACCTGGAATGTTCTGTGCCGATATATGGAAGGAATTTATGATGCCTGCAGGGGTGATTCTGGGGGAC
 CTTTAGTCACAAGGGATCTGAAAGATACGTGGTATCTCATTGGAATTGTAAGCTGGGGAGATAACTGTGG
 TCAAAAGGACAAGCCTGGAGTCTACACACAAGTGACTTATTACCGAAACTGGATTGCTTCAAAAACAGGC
 ATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG221395 representing NM_182606
 Red=Cloning site Green=Tags(s)

MMYRTVGFGRSRNLKPWMI AVLIVLSLTVVAVTIGLLVHFLVFDQKKEYYHGSFKILDPOINNNFGQSN
 TYQLKDLRETTENLVSQVDEIFIDSAWKKNYIKNQVRLTPEEDGVKVDVIMVFQFPSTEQRAVREKKIQ
 SILNQKIRNLRALPINASSVQVNMSSSTGELTVQASCGKRVPVPLNVNRIASGVIAPKAAWPWQASLQYD
 NIHQCGATLISNTWLVTAAHCFQKYKNPHQWTVSFGTKINPPLMKRNVRRFIIHEKYRSAAREYDIAVVQ
 VSSRVTFSDDIRRICLPEASASFQPNLTVHITGFGALYGGESQNDLREARVKIISDDVCKQPQVYGNDI
 KPGMFCAGYMEGIYDACRGDSSGGLVTRDLKDTWYLIGIVSWGDNCGQDKPKGVYTVQVYYRNWIASKTG
 I

TRTRPLE - GFP Tag - V

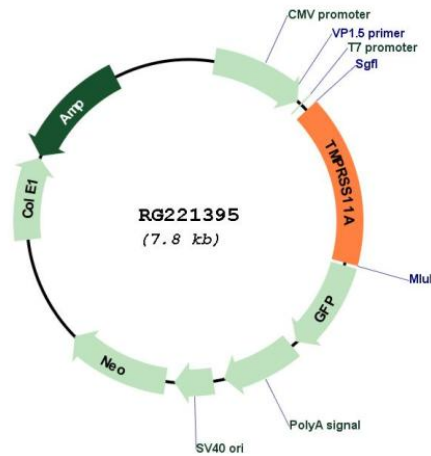
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



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:	<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_182606.2 , NP_872412.2
RefSeq Size:	2429 bp
RefSeq ORF:	1266 bp
Locus ID:	339967
UniProt ID:	Q6ZMR5
Cytogenetics:	4q13.2
Protein Families:	Druggable Genome, Transmembrane
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]