

Product datasheet for MR206598

Tmprss11d (NM_145561) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmprss11d (NM_145561) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tmprss11d
Synonyms:	AsP; AST; BC020151
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206598 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTATAGGCCAAGACCAATGCTATCACCGTCAAGATTCTTCACTCCCTTGCAGTAGCTTTCGTTGTCA
TAATAACGGTAGGGCTCCTGGCCATGATGGCAGGTCTACTTATCACTTTTTAGCTTTTGACAAGAAAGC
TTACTTTTATCATAGCAGCTTTCAAATCCTAAACGTTGAATACACTGAGGCTTTAAACTCACCAGCTACA
CACGAATACAGAACCCTTGAGTGAAGAATTGAGGCTATGATTACTGATGAATTCGAGGATCAAGTCTAA
AAAGTGAGTTTATCAGGACACATGTTGTCAAATAAGAAAAGAAGGGACTGGTGTGGTTCGGGATGTTGT
CATGAAATTTTCGATCTAGTAAACGTAACAACAGAAAGGTAATGAAAACCGAATTCATCTGTGCTACGA
AGACTCAGCAGCTCTGGAACCTTGAAATAGCCCTTCGAATGAGATAACATCACTCACTGACCAGGATA
CTGAAATGTTTTGACTCAAGAATGTGGAGCACGTCCAGACCTTATAACTGTGCAAGAGAGAATCAT
TGGAGGCATGCAAGCTGAGCCCGGTGACTGGCCCTGGCAAGTCAGTCTACAGCTCAATAATGTCCACCAC
TGTGGAGGTGCCCTGATCAGTAACATGTGGTCTGACAGCAGCTCATTGCTTCAAAGCTATCCTAATC
CTCAATATTGGACAGCCACCTTTGGGGTTTCTACAATGAGCCCTAGGCTGAGAGTGAGAGTAAGGGCTAT
TTAGCCACAGATGGGTACAGCTCCGTAACCTCGTGACAATGACATCGCAGTTGTACAACCTGACAGATCT
GTCGCCTTTTCCAGAAATATCCATAGGGTATGTCTCCAGCAGCAACCCAAAATATCATCCCTGGTTCTG
TCGCATATGTTACAGGATGGGGATCTCTCACATATGGAGGCAACGCAGTCACAAATCTACGCAAGGAGA
GGTCAGAATAAATAGTTTCAGAGGAATGCAATACGCCAGCTGGTTACAGTGAAGTGTCTTCCAGGAATG
CTGTGTGCTGGAATGCGTTCAGGGGCCGTGGATGCATGCCAGGGTGATTCAGGTGGCCCGTAGTACAAG
AAGACTCAAGGCGCTTTGGTTTGTGTGGCATTGTGAGCTGGGGATATCAGTGTGGCCTCCCAAATAA
GCCAGGCGTGTATACTCGAGTGACAGCCTACCGCAACTGGATCAGACAGCAGACGGGAATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR206598 protein sequence
Red=Cloning site Green=Tags(s)

MYRPRPMLSPSRFFTPFAVAFVVIITVGLLAMMAGLLIHFLAFDKKAYFYHSSFQILNVEYTEALNSPAT
 HEYRTLSEIEAMITDEFGRGSSLKSEFIRTHVVKLRKEGTGVVADVVMKFRSSKRNKRVMKTRIQSVLR
 RLSSSGNLEIAPSNEITSLTDQDTENVLTQECGARPDLITLSEERIIGMQAEPGDWPWQVSLQLNNVHH
 CGGALISNMWVLTAAHCFKSYPNPQYWTATFGVSTMSPRLRVVRRAILAHDGYSSVTRDNDIAVQLDRS
 VAFSRNIHRVCLPAATQNIIPGSVAYVTGWGSLTYGGNAVNTLRQGEVRIISSEECNTPAGYSGSVLPGM
 LCAGMRSGAVDACQGDGSGPLVQEDSRRLWFVVGIVSWGVCGLPNKPGVYTRVTAAYRNWIRQQTGI

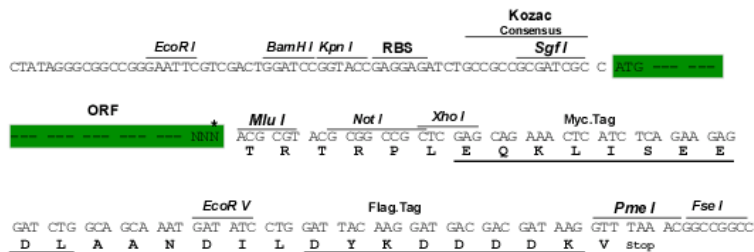
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_145561

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.

RefSeq: [NM_145561.1](#)

RefSeq Size: 2046 bp

RefSeq ORF: 1254 bp

Locus ID: 231382

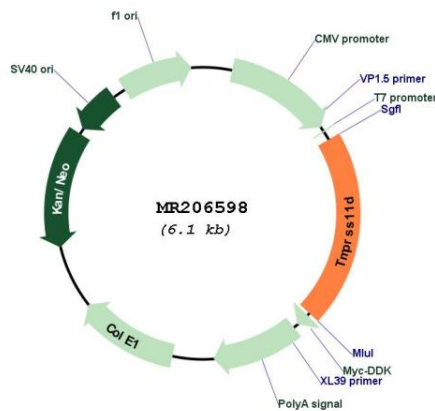
UniProt ID: [Q8VHK8](#)

Cytogenetics: 5 E1

MW: 46.3 kDa

Gene Summary: May play some biological role in the host defense system on the mucous membrane independently of or in cooperation with other substances in airway mucous or bronchial secretions. Preferentially cleaves the C-terminal side of arginine residues at the P1 position of certain peptides (By similarity). Plays a role in the proteolytic processing of ACE2. Isoform 2 may play a key role in regulating adrenal proliferation by specifically cleaving N-POMC. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206598