

Product datasheet for MR219844

Tmprss11b (NM_177024) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmprss11b (NM_177024) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tmprss11b
Synonyms:	9930019B18Rik; Tmprss11bnl
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR219844 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTACAGACCAGTCATAGCATCCCGCAAATCTATCCCACCATGGCTAATCATCCTCTGTGTGCTTGGAG
TGCTGGCAGCCCTGGGATAATTATTGGACTCTTAGTTCACCTTTCTGGCAGTAGAAAACAAGATCTACTA
CTATCAAGGTGGTTTTAAAGTGTGGATATTCCATATGACAGAAATTATGAAAGGGAGACATCACTAGAA
AGTAACTACCTCAGTAAAATCCTTGAGAATAAAAATGGTTGAAGCCTTTCAGAATTCTAACATTTACAAC
AATATATCAACTCTCAGGTCATCACATTGGTTCCTGATAACAACAGCGTGACAGCACATATATGGCTGGT
GTTTAAGGATCCCTGGTCTAACAAGGAAAACCTAAGAAGGAGAATTGAAAGCATCTTACGTGAGATGCTG
GAGAACAACCCAGAATCCCTGACTACAGATCCTGGGTCTCTGAAGCTCACGGAATCAGTAAAGTTGATG
CTGAGAAGATTATCAACAACCGCTGTGGGAGAAGACCAAGAATGTCTGCAACCTACGACAGAATCACGGG
AGGTTCCACTGCTCAACAAGGAGAGTGGCCATGGCAAGCGAGTCTCAGAGTGAATGGTAAACACTACTGT
GGGCATCTCTGATTGGCGAAAGATTTCTGCTCACAGCAGCTCATTGCTTCAAGGGACAATAATCCAA
AAAACCTAACTGTCAGCTTTGGCACTAGAGTAACTCCAGCCTACATGCAGCATTCTGTTCAGAGATTAT
TATTCATGAAGATTATGTGAAGGGGAACATCATGATGACGTTGCAGTTATAAAGCTCAGTAAAAAGTT
TCATTCAATAATGATGTGCATCGGTTTGTCTTCCGGAATCCACCAGATTTTTCCACCAGGTGAAGGAG
TCGTTGTTACAGGATGGGATCATTTTCTTACAATGGTAAATCCCACTGTTACTTCAGAAAGCATCCAT
TAAATCATTGACACAAATACTTGAATTCAGAAGAAGCTTATGGAGGCAGGATAGTGGACACAATGCTC
TGTGCTGGCTACTTGAAGGCAGTATCGATGCTTGCCAGGGTACTCTGGAGGACCACTAGTTTCATCCCA
ATTCTCGAGATATTTGGTACCTTGTGGGATAGTGAGCTGGGGCATGAATGTGGCAGAGTCAACAAGCC
AGGGTCTATATGAGAGTAACTTCTACCCTAAGTGGATTGCCTCCAAGACTGGTATC

ACGGCTACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR219844 protein sequence
Red=Cloning site Green=Tags(s)

MYRPVIASRKSIPPWLIILCVLGVLAALGIIIGLLVHFLAVENKIYYYQGGFKVLDIPYDRNYERETSLE
 SNYLSKILENKMVEAFQNSNIYQYINSQVITLVPDNNSVTAHIWLVKDPWSNKENLRRRIESILRQML
 ENNPESLTTDPGSLKLTETISKVDAEKIINNRCGRPRMSATYDRITGGSTAHKGEWPWQASLRVNGKHYC
 GASLIGERFLLTAAHCFQGTNNPKNLTVSFGTRVTPAYMQHSVQEIIIHEDYVKGEHDDVAVIKLTEKV
 SFNNDVHRVCLPESTQIFPPGEGVVTGWGSFSYNGKSPDLLQKASIKIIDTNTCNSEEAYGGRIVDTML
 CAGYLEGSIDACQGDSSGGLVHPNSRDIWYLVGI VSWGHECGRVNKP GYMRVTSYRNWIASKGTGI

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_177024

ORF Size: 1251 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_177024.4](#), [NP_795998.2](#)

RefSeq Size: 2216 bp

RefSeq ORF: 1251 bp

Locus ID: 319875

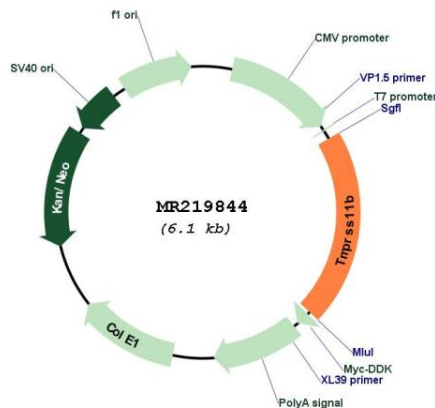
UniProt ID: [Q14C59](#)

Cytogenetics: 5 E1

MW: 46.7 kDa

Gene Summary: Serine protease.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR219844