

Product datasheet for **RR214298**

Tmprss2 (NM_130424) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmprss2 (NM_130424) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tmprss2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR214298 representing NM_130424
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCATTGAACTCAGGGTCACCTCCAGGAATTGGACCTTACTATGAGAACCACGGGTATCAGTCTGAGC
 AGTCTATTCCCCGAGGCCACCTGTGTCTCCAGTGGCTACAACCTGTATCCAGCCAGAGCTGCCCATC
 TCCAGTCCCCAGTATGCTCCGAGAGTCACAACCTCAAGCCTCAACACCTGCCATCCACATACAGCCCCGA
 TCCTCAGGAACACTGTGCACCTCAAATCTAAGAAATCCATGCTTGTGCGCCTGGCCCTGGGCACTGTCC
 TCGCCGGTGTGCTGTGGCTGTGGCTTGTCTTGGAAAGTCTGGGACAGCAAGTGTCTTTCATCAGAGAT
 GGAGTGTGGTCTTCAGGGACATGTATCAGCTCCTCCCTCTGGTGTGACGGAGTGTACAGTGTCCCAAC
 GGGGAAGACGAGAACCGGTGTGTCGCCTCTATGGAACAAGCTTACCCTCCAGGTTTACTCATCTCAGA
 GGAAGCCTGGTATCCCGTCTGCCAGGATGATTGGAATGAGAGCTACGGGAGAGCAGCATGTAAGACAT
 GGGATACAAGAACAGCTTTTATTCTAGCCAAGGATACCAGACCAGAGCGGGCAACGAGCTTTATGAAG
 CTGAATGTGAGCCGAGGCAACGTGCACCTCTATAAAAACTCTACCACAGTGACTCGTGCTATCCCGCA
 TGGTGGTTTTCTTTCGCGTGTATAGAATGCGGGGTTGCTCAGTAAGACGTGAGAGCAGGATTGTGGTGG
 GTCGACCGCCTCACCGAGACTGGCCCTGGCAGGTGACGCTGCACGTCCAAGGTATCCATGTCTGCGGA
 GGCTCCATCATACCCCCGAGTGGATTGTGACAGCCGCCACTGTGTGGAAGAACCCTCAGCAGCCCTA
 GGTAAGTGGACGGCATTTCGCGGAATTTTGAACAGTCTCTCATGTTCTATGGAAGTAGACACCAGGTAGA
 AAAAGTGAATTTCCCATCAAATACGACTCTAAGACCAAGAATAATGACATTGCTCTCATGAAGTGCAG
 ACACCTTGGCTTTAATGATGTAGTGAAGCCAGTGTGTCTGCCGAACCCAGGCATGATGCTGGACCTAG
 CCCAGGAGTGTGGATTTTCAGGGTGGGGGCCACCTATGAGAAAGGGAAGACCTCAGATGTGCTGAATGC
 TGCCATGGTACCCTTGATCGAGCCCTCAAATGTAATAGCAAATACATATACAACAACCTAATCACACCA
 GCCATGATCTGCGCCGGTTCCTCCAGGCTCTGTGACTTGTGAGGGAGACAGTGGAGGGCCCTGG
 TTACTTTGAAGAATGAAATCTGGTGGCTGATTGGGGACACGAGCTGGGGCTCGGGCTGTGCCAAGGCATA
 CAGACCTGGAGTATACGGGAATGTGACAGTATTTACAGATTGGATCTACCAGCAAATGAGGGCGAACAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR214298 representing NM_130424
 Red=Cloning site Green=Tags(s)

MALNSGSPPGIGPYENHGYSQSEHVYSPRPVSPSGYNLYPAQSCSPVPQYAPRVTTQASTPAIHIQPR
 SSGTLCTSKSKSMLVALALGTVLAGAAVAAGLLWKFWDKSCSSSEMECGSSGTCISSSLWCDGVSQCPN
 GEDENRCVRLYGTSTLQVYSSQRKAWYPVCQDDWNEYSYGRAACKDMGYKNSFYSSQGIPDQSGATSFMK
 LNVSAGNVDLKLYHSDSCSSRMVSLRCIEGVRSVRRQSRIVGGSTASPGDWPQVSLHVQGIHVCG
 GSIITPEWIVTAHCVEEPLSSPRYWTAFAFILKQSLMFYGSRHQVEKVISHPNYDSKTKNNDIALMKLQ
 TPLAFNDVVKPVCLPNPGMMLDLAQECWISGWGATYEKGTSDVLENAAMVPLIEPSKCNKYIYNLITP
 AMICAGFLQGSVDSCQDSSGGPLVTLKNEIWWLIGDTSWGSACKAYRPGVYGNVTVFTDWIYQQRANS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

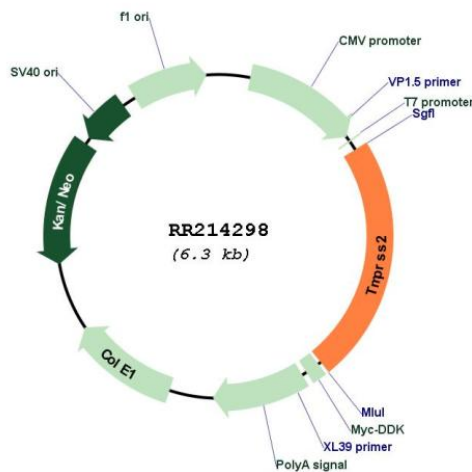
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_130424

ORF Size: 1470 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_130424.3](#), [NP_569108.2](#)

RefSeq Size: 3135 bp

RefSeq ORF: 1473 bp

Locus ID: 156435

Cytogenetics: 11q12

MW: 53.4 kDa

Gene Summary: mouse homolog is a transmembrane serine protease [RGD, Feb 2006]