

Product datasheet for **MR206946**

Tmprss4 (NM_145403) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmprss4 (NM_145403) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tmprss4
Synonyms:	mCAP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>MR206946 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGTCAGACAGTGGCCAACCCCTCAACAACCGTGATATTGTTCCCTTCGCAAACCCGAAGGCCCC
AGGAGACCTTCAAAAAGGTGGGGATCCCATCATTGCAGTGCTGCTGAGCCTGATAGCCCTCGTGATTGT
GGCCCTTCTCATCAAGGTGATTCTGGATAAATACTACTTCATCTGCGGCAGTCCCCTGACCTTCATTGAG
AGGGGCCAGTTGTGTGACGGCCACCTTGACTGCGCCTCAGGGGAGGATGAGGAACACTGTGTCAAGGACT
TCCCTGAAAAGCCCGAGTGGCAGTCCGGCTCTCCAAGGACAGATCCACCCTGCAGGTGCTGGATGCAGC
CACAGGGACCTGGGCCTCAGTCTGTTTCGACAACCTCACAGAAGCACTGGCCAAGACAGCCTGCAGACAG
ATGGGCTATGACAGCCAGCCGCTTTCAGAGCAGTGGAGATCCGTCAGATCAGAACCTCCCTGTTGCTC
AAGTCACAGGAAACAGCCAGGAACCTCAGGTGCAGAATGGAAGCAGATCCTGCCTCAGGCTCCCTGGT
TTCCTTGGCTGCCTTGACTGTGAAAGAGCCTGAAGACTCCTCGTGTGGTGGTGGGTTGGAGGCCCT
GTGGATTCTTGGCCGTGGCAGGTGAGCAGTCCAGTACAACAAGCAGCATGTCTGTGGTGGGAGCATCCTGG
ATCCCCACTGGATCCTCAGCAGCCCACTGCTTCAGGAAGTATCTTGATGTGTCAAGCTGGAAGGTCAG
GGCAGGCTCAAACATACTGGTAACCTCCATCCTTGCCTGTGGCCAAGATCTTCATCGCTGAACCAAT
CCTCTGTACCCCAAGAGAAGGACATTGCCCTTGTAAAGCTGCAGATGCCACTCACATTCTCAGGCTCAG
TCAGGCCCATCTGCCTGCCCTTCTCTGATGAGGTGCTTGTCCAGCCACACCAGTCTGGGTCAATGGATG
GGGCTTACAGAAAGAAACCGGAGGAAAGATGTCTGACATGCTACTGCAGGCATCAGTCCAGGTATCGAC
AGCACACGGTGAATGCAGAGGATGCCTACGAAGGGGAAGTGACCCTGAGATGCTGTGTGCAGGTACCC
CACAGGGTGGCAAGGACACCTGCCAGGGTGACAGTGGTGGGCCCTTGTATGTACCATTCTGACAAGTGGCA
GGTAGTAGGCATCGTGAGCTGGGGCCATGGATGCGGGCGGCCAAGTACTCCTGGAGTGTATACCAAGGTC
ACTGCCTATCTCAACTGGATCTACAATGTTTCGGAAGTCTGAGATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR206946 protein sequence
Red=Cloning site Green=Tags(s)

MESDSGQPLNRRDIVPFRKPRRPQETFKKVGIPIIAVLLSLIALVIVALLIKVILDKYFICGSPLTFIQ
RGQLCDGHLDCASGEDEEHCVKDFPEKPGVAVRLSKDRSTLQVLDAATGTWASVCFDNFTEALAKTACRQ
MGYDSQPAFRAVEIRPDQNLPAQVTGNSQELQVQNGSRSLSGSLVSLRCLDCGKSLKTPRVVGGVEAP
VDSWPWQVSIQYKQHVCGGSILDPHWILTAHCFRKYLDVSSWKVRAGSNILGNPSLPVAKIFIAEPN
PLYPKEKDIALVKLQMPLTFSGSVRPICLPF SDEVLPATPVVWIGWGFTEENGKMSDMLLQASVQVID
STRCNAEDAYEGEVTAEMLCAGTPQGGKDTCCQGDSSGGLMYHSDKWQVVGIVSWGHCGGPSTPGVYTKV
TAYLNWIYNVRKSEM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_145403

ORF Size: 1308 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_145403.1](#), [NM_145403.2](#), [NP_663378.1](#)

RefSeq Size: 2267 bp

RefSeq ORF: 1308 bp

Locus ID: 214523

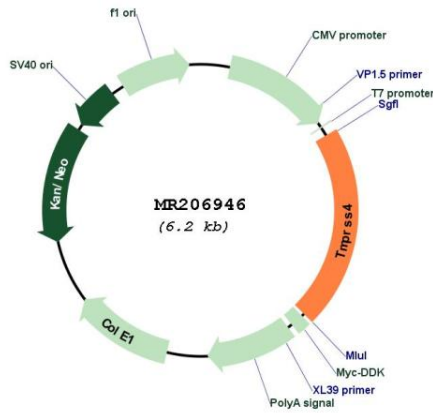
UniProt ID: [Q8VCA5](#)

Cytogenetics: 9 A5.2

MW: 47.5 kDa

Gene Summary: Probable protease. Seems to be capable of activating ENaC.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206946