

Product datasheet for **MG206946**

Tmprss4 (NM_145403) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmprss4 (NM_145403) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tmprss4
Synonyms:	mCAP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206946 representing NM_145403 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGTCAGACAGTGGCCAACCCCTCAACAACCGTGATATTGTTCCCTTCGAAACCCCGAAGGCCCC
AGGAGACCTTCAAAAAGGTGGGGATCCCCATCATTGCAGTGCTGCTGAGCCTGATAGCCCTCGTATTGT
GGCCCTTCTCATCAAGGTGATTCTGGATAAATACTACTTCATCTGCGGCAGTCCCCTGACCTTCATTGAG
AGGGGCCAGTTGTGTGACGGCCACCTTGACTGCGCCTCAGGGGAGGATGAGGAACACTGTGTCAAGGACT
TCCCTGAAAAGCCGGAGTGGCAGTCCGGCTCTCCAAGGACAGATCCACCCTGCAGTGTGGATGCAGC
CACAGGGACCTGGGCCTCAGTCTGTTTCGACAACCTCACAGAAGCACTGGCCAAGACAGCCTGCAGACAG
ATGGGCTATGACAGCCAGCCGCTTTCAGAGCAGTGGAGATCCGTCCAGATCAGAACCTCCCTGTTGCTC
AAGTCACAGGAAACAGCCAGGAACCTCAGGTGCAGAATGGAAGCAGATCCTGCCTCCTCAGGCTCCCTGGT
TTCCTTGGCGTGCCTTGACTGTGGAAAGAGCCTGAAGACTCCTCGTGTGGTGGGTGGGAGGCCCT
GTGATTCTTGGCCGTGGCAGGTGAGTCCAGTACAACAAGCAGCATGTCTGTGGTGGGAGCATCCTGG
ATCCCCACTGGATCCTCACAGCAGCCACTGCTCAGGAAGTATCTTGATGTGTCAAGCTGGAAGGTCAG
GGCAGGCTCAAACATACTGGGTAACCTCCATCCTTGCCTGTGGCAAGATCTTCATCGCTGAACCCAAT
CCTCTGTACCCCAAAGAGAAGGACATTGCCCTTGTAAAGCTGCAGATGCCACTCACATTCTCAGGCTCAG
TCAGGCCATCTGCCTGCCCTTCTCTGATGAGGTGCTTGTCCAGCCACACCAGTCTGGGTATTGGATG
GGGCTTTACAGAAGAAAACGGAGGAAAGATGTCTGACATGCTACTGCAGGCATCAGTCCAGGTCATCGAC
AGCACACGGTGAATGCAGAGGATGCCTACGAAGGGGAAGTGACCCTGAGATGCTGTGTGCAGGTACCC
CACAGGGTGGCAAGGACACCTGCCAGGGTACAGTGGTGGCCTTTGATGTACCATCTGACAAGTGGCA
GGTAGTAGGCATCGTGTGCTGGGCCATGGATGCGGGGCCCAAGTACTCCTGGAGTGTATACCAAGGTC
ACTGCCTATCTCAACTGGATCTACAATGTTCCGGAAGTCTGAGATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206946 representing NM_145403
 Red=Cloning site Green=Tags(s)

MESDSGQPLNNRDI VPFRRPRRQETFKKVGIP IIAVLLSLIALVIVALLIKVILDKYFICGSPLTFIQ
 RGQLCDGHLDCASGEDEEHCVKDFPEKPGVAVRLSKDRSTLQVLDAATGTWASVCFDNFTEALAKTACRQ
 MGYDSQPAFRAVEIRPDQNL PVAQVTGNSQELQVQNGSRSCLSGSLVSLRCLDCGKSLKTPRVVGGVEAP
 VDSWPWQVSIQYNKQHVCGGSILDPHWILTAAHCFRKYLDVSSWKVRAGSNILGNPSLPVAKIFIAEPN
 PLYPKEKDIALVKLQMP LTFSGSVRPICLPF SDEVLPATPVVWIGWGFTEENGGKMSDMLLQASVQVID
 STRCNAEDAYEGEVTAEMLCAGTPQGGKDTCCGDSGGPLMYHSDKWQVVGIVSWGHC GGPSTPGVYTKV
 TAYLNWIYNVRKSEM

TRTRPLE - GFP Tag - V

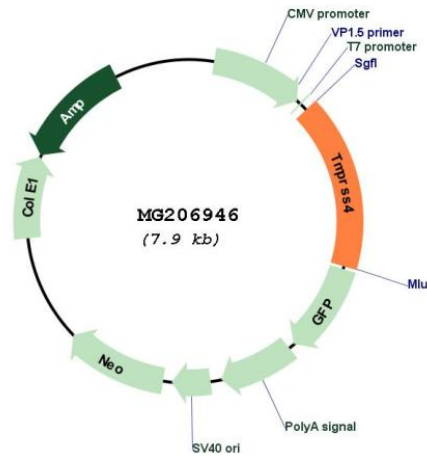
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_145403

ORF Size:	1305 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_145403.2 , NP_663378.1
RefSeq Size:	2267 bp
RefSeq ORF:	1308 bp
Locus ID:	214523
UniProt ID:	Q8VCA5
Cytogenetics:	9 A5.2
Gene Summary:	Probable protease. Seems to be capable of activating ENaC.[UniProtKB/Swiss-Prot Function]