

Product datasheet for MC223414

Tmprss15 (NM_008941) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmprss15 (NM_008941) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tmprss15
Synonyms:	Entk; P; Prss7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC223414 representing NM_008941 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGGATCGCC

ATGAAATCCAGCAGAGACGAGGCTGTAGGACATCACTCTATCAGCTCTTTTGAAGTGATGCTCTCAGCTC
TCTTCATTATGCTCATGGTCTTCTCTATTGGATTAATTGCAGTGTCTGGCTTGCAGTCAAGGAATCTGA
AGGAGATGCAGCCCTGGGAAAAGTCATGAAGTCAGAGGGACATTTAAAATAACATCTGGAGTGACATAT
AATCCTAATTTACAAGACAAACACTCTGTGGATTTCAAAGTCTTGCTTTTGACCTTCAGCAAATGATAG
ACGAGATCTTTGAATCAAGTAGTCTGAAGAATGAATATGAAAAATCGAAGTTTTTCAATTTGAAAAGG
CAGCGTTATTGCTCTTTGACCTCTTTTTGCTCAGTGGGTGTCAGATAAAAAATGAAAAGAAGAACTG
ATTCAGGGCATTGAAGCAAATATATCCAGCCAACCTGGTCACTCTCCATATTGATTGAAACAGCATTGATA
TCACAGCATCCTTGAGTGACTTCACAACAGCAGTCCCTGTAACAACCTTCAGATAAGCTAACCAACCAGCAG
TCCTATGACAACCTTCAGCATCACTGGGTAACCTTCAACAACAGTGGCTGCAACAACCTTCAGCACCATTG
TGTAATTTATCAACAGCAACTTTTGCAACAACCTTCAGGCCATGTCTCAATAGAGTGCCAGCCTGGTTCAC
GGCCCTGTGCTCATGCTTGAAGTGTGTAGCAACTGATTTGTTTTGTGATGGAGAAGTGAAGTGTCCAGA
TGGTTTCAGATGAAGACTGGGCTATGTCCACAGCTTGTGATGGAAGATTTTTGTTGACTGGAGATTCT
GGGTTTTTCCAAGCTGATCGTTATCCAAGGCCAGATGAATCAGGTGTTGTTTGCCGATGGATCATCCGTG
TAAACCAAGGACTTTCCATTAGAATGAACCTTGGATCTTTTATTCCACATTATACAGATGTGTTAGATAT
CTATGAAGGTATAGGACCTAGCAAAATTTAAGAGGCTCCTTTTGGGAAAACCTGATCCTGGAACAATTCGA
ATTTTTTCCAACCTAGTACTGTACCTTTCTGATAAAAATCAGATGAATATGATTACATTGGTTTTAATG
CAACGTACAGCACTTTCAACAACAGCGAACTTAACAATTATGAGAAAAATCGACTGTACATTTGATGATGG
ATTTTGTCTTGGACCCAGGATCTTGATGATGATAATGAGTGGGAAAGAATCCAAGTGACCACGTTTCTCT
TGCTACACTGGCCACGTTTTGACCACACATATGGGAATGGCTCAGGATTTTACATTTCTACACCAACTG
AACAGGGATGGAGAAGCGAAAGAGTAGGCCTTTCAAGCCTCTCTTTAGACCTCACTTCAGAGCCTGTCTG
CCTTCATTTTTGTTATTACATGTGCTGTGAAAAATGTCTACAATTTAAACATTCATATCAGCAGTGTGAA



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ACCACAGACAAGATAGTTTTTCAAAGGAAAGGAACTATGGGAGGAACTGGAATTATGGTCAAGTCACAT
 TAAATGAAACAGGAGAATTTAAGGTTGTGTTCAATGCTTTCAGAAACCGAGGTTGCAGTACAATAGCCCT
 GGATGATATAAGCCTAACAAATGGAATTTGTAGTCAGAGTCCTTATCCAGAACCAACCTTGGTCCCACC
 CCTCCACCAGAGCTTCCAAGTACTGCGGAGGACCTTTTGAAGTATGGGAGCCAAATTCAACCTTCAGTT
 CTCCGAACTTCCAGACAATATCCCAATCAAGCTTCTGTATATGGAATTTAAATGCACAGAGAGGGAA
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 GGAGAATTTGACTCCCTGCTCTAGCTGTGTACACAGGACCTGGTCTGTGAAGGACTTGTCTCTACCA
 CCAATAGGATGACTGTGATTTTCCACCAAACATGGAGACCAGACGCAAGGGCTTCAAAGCAAATTCAC
 TTCGGCTATTACTTGGGGATTCCAGAGCCCTGCCAAGATGACGAATTTCAAGTCAAAGATGGAAGTGC
 ATTCCTCTGGGAATCTCTGTGATAGCTACCCGCACTGTAGAGATGGCTCAGATGAAGCAAGCTGTGTGC
 GTTTTCTAATGGCACAAGAAGCAACAATGGGTTGGTACAGTTCAATATCCATAGCATATGGCATATAGC
 TTGTGCTGAGAACTGGACCACACAATTTCAAATGAAGTTTGTCACTTCTGGGACTAGGGAGTGCAAAAC
 TCATCAATGCCAATATCATCTACCGAGGTGGACCATTTGTGAGAGTAAACCAAGCCCTAATGGAAGCT
 TGATACTAACTCCTAGTCTACAATGCTCCCAAGATTCCTTGATTCTATTGCAATGCAACCATAAATCATG
 TGGAGAAAAAAGGTGACTCAGAAAGTCAGCCCAAGATCGTTGGTGAAGTGACGCCCAGGCAGGGGCC
 TGGCCCTGGGTTGTGGCTTTGTATCACAGAGACAGGTCTACAGACCGTCTGCTCTGCGGTGCATCTCTTG
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 AGCAGTCTGGGCTGCATATGCAATCAATCTGACTTCTCCTCAAGTAGTAAGACGGGTGGTTGATCAA
 ATTGTCATAAACCTCATTATGACAGACGCAGAAAGGTCAACGACATCGCTATGATGCACCTTGAGTTTA
 AAGTAAATTACACAGATTATACAGCCTATTTGTTTACCAGAAGAGAATCAAATATTTATTCCAGGAAG
 AACTTGTTCGATTGCTGGCTGGGATATGATAAAATAAATGCAGGTTCTACTGTTGATGTGCTGAAAGAA
 GCTGATGTTCTCTTATATCCAATGAAAAGTGCCAGCAACAGCTGCCAGAATAACAATCACTGAAAAGTA
 TGATATGTGCAGGATATGAAGAAGGAGGAATAGATTCTTGTGAGGTTGATTCTGGAGGCCATTAATGTG
 CCAAGAAAAACAACAGATGGTTTCTTGTGGTGTGACATCATTGGAGTCCAGTGTGCACTGCCTAATCAC
 CCTGGGTATATGTCGAGTCTCACAGTTTATAGAATGGATCCATAGCTTCTACATTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_008941
- Insert Size:** 3210 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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_008941.3](#), [NP_032967.1](#)

RefSeq Size: 4194 bp

RefSeq ORF: 3210 bp

Locus ID: 19146

UniProt ID: [P97435](#)

Cytogenetics: 16 C3.1-C3.2

Gene Summary: This gene encodes an enzyme that proteolytically activates the pancreatic proenzyme trypsinogen, converting it into trypsin. The encoded protein is cleaved into two chains that form a heterodimer linked by a disulfide bond. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jan 2013]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).