

Product datasheet for MR222784

Tmprss15 (NM_178855) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmprss15 (NM_178855) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tmprss15
Synonyms: Entk; P; Prss7
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR222784 representing NM_178855
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGAAATCCAGCAGAGACGAGGCTGTAGGACATCACTCTATCAGCTCTTTTGAAGTGATGCTCTCAGCTC
 TCTTCATTATGCTCATGGTCTTCTCTATTGGATTAATTGCAGTGTCTGGCTTGCAGTCAAGGAATCTGA
 AGGAGATGCAGCCCTGGGAAAAGTCATGAAGTCAGAGGGACATTTAAAATAACATCTGGAGTGACATAT
 AATCCTAATTTACAAGACAAACACTCTGTGGATTTCAAAGTCTTGCTTTTGACCTTCAGCAAATGATAG
 ACGAGATCTTTGAATCAAGTAGTCTGAAGAATGAATATGAAAAATCGAAGTTTTTCAATTTGAAAAGG
 CAGCGTTATTGTCCTCTTTGACCTCTTTTTGCTCAGTGGGTGTCAGATAAAAATGTAAGAAGAACTG
 ATTCAGGGCATTGAAGCAATATATCCAGCCAACCTGGTCACTCTCCATATTGATTGAAACAGCATTGATA
 TCACAGCATCCTTGAGTGACTTCACAACAGCAGTCCCTGTAACAACCTTCAGATAAGCTAACAAACCAGCAG
 TCCTATGACAACCTTCAGCATCACTGGGTAACCTTATCAACAACAGTGGCTGCAACAACCTTCAGGCCATGTC
 TCAATAGAGTGCCAGCCTGGTTCACGGCCCTGTGCTCATGCTTGGAACTGTGTAGCAACTGATTTGTTTT
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 GTTGTTCGCCGATGGATCATCCGTGTAACCAAGGACTTCCATTAGAATGAATTTGGATCTTTTATTTC
 CACATTATACAGATGTGTTAGATATCTATGAAGGTATAGGACCTAGCAAATTTTAAAGAGCTCCTTTTG
 GGAAACTGATCCTGGAACAATTCGAATTTTTTCCAACCTAGTTACTGTACCTTTCTGATAAAATCAGAT
 GAATATGATTACATTGGTTTTAATGCAACGTACAGCACTTTCAACAACAGCGAACTTAACAATTATGAGA
 AAATCGACTGTACATTTGATGATGGATTTTGCTTCTGGACCCAGGATCTTGATGATGATAATGAGTGGGA
 AAGAATCCAAGTGACCACGTTTCTTGTCTACACTGGCCACGTTTTGACCACACATATGGGAATGGCTCA
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 AAACATTCATATCAGCAGTGTGAAACCACAGACAAGATAGTTTTTCAAAGGAAAGGAACTATGGGAGG



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AACTGGAATTATGGTCAAGTCACATTAATGAAACAGGAGAATTTAAGGTTGTGTCAATGCTTTCAGAA
 ACCGAGGTTGCAGTACAATAGCCCTGGATGATATAAGCCTAACAAATGGAATTTGTAGTCAGAGTCCCTTA
 TCCAGAACCAACCTTGGTCCCACCCCTCCACCAGAGCTTCCAACCTGACTGCGGAGGACCTTTTGAACCTA
 TGGGAGCCAAATCAACCTTCAGTCTCCGAACCTTCCAGACAAATATCCAATCAAGCTTCTGTATAT
 GGAATTTAAATGCACAGAGAGGGAAAAATTCACCTTCATTTTCAAGAATTCGATTTAGAAAACATCAA
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 ATTTCACTGCAAAGATGGAACTGCATTCTCTGGGGAATCTCTGTGATAGCTACCCGACTGTAGAGAT
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 TCTTCTGGGACTAGGGAGTGCAAACCTCATCAATGCCAATATCATCTACCGGAGGTGGACCATTTGTGAGA
 GTAACCAAGCCCTAATGGAAGCTTGATACTAAGTCTAGTCTACAATGCTCCCAAGATTCCTTGATTC
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 GAAATCTAGATCCAACCAGATGGACAGCAGTCTGGGCTGCATATGCAATCAAATCTGACTTCTCTCTCA
 AGTAGTAAAGCGGGTGGTTGATCAAATGTGATAAACCCCTCATTATGACAGACGCAGAAAGGTCAACGAC
 ATCGCTATGATGCACCTTGAAGTTAAAGTAAATACACAGATTATATACAGCCTATTTGTTTACCAGAAG
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 TTCTACTGTTGATGTGCTGAAAGAAGCTGATGTTCTCTTATATCCAATGAAAAGTGCCAGCAACAGCTG
 CCAGAATACAACATCACTGAAAGTATGATATGTGCAGGATATGAAGAAGGAGGAATAGATTCTTGTGAGG
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 AGTCCAGTGTGCACTGCCTAATCACCCCTGGGGTATATGTCGAGTCTCACAGTTTATAGAATGGATCCAT
 AGCTTTCTACAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR222784 representing NM_178855
 Red=Cloning site Green=Tags(s)

MKSSRDEAVGHHSISSFEVMLSALFIMLMVFSIGLIAVSWLAVKESGDAALGKSHEVRGTFKITSGVTY
 NPNLQDKHSVDFKVLAFDLQQMIDEIFESSLKNYEKSKVFQFEKGSVIVLFDLFFAQWVSDKNVKEEL
 IQGIEANISSQLVTLHIDLNSIDITASLSDFTTAVPVTTSDKLTSSPMTTSASLGNLSTTVAATTSGHV
 SIECQPGSRPCAHAWNCVATDLFCDGEVNCPDGSDDEDGLCATACDGRFLLTGDSGVFQADRYPRPDESG
 VVCRWIIIRVNQGLSIRMFNGSFIPHYTDVLDIYEGIGPSKILRGSFWETDPGIRIFSNLVTVTFLIKSD
 EYDYIGFNATYSTFNSELNNYEKIDCTFDDGFCFWTQDLDDNEWERIQTTFPCYTGPRFDHTYNGNS
 GFYISTPTEQGWRSERVGLSSLSDLTSEPVLHFWYMCENVYNLNIHISSAETTDKIVFQRKGNYGR
 NWNYGQVTLNETGEFKVVFNAFRNRGCSIALDDISLTNGIGCSQSPYPEPTLVPTPPPPELPTDCGGPFEL
 WEPNSTFSSPNFPDKYPNQASCIWNLNAQRGKNIQLHFQEFDLENINDVVEVRDGGFEFDSLLAVYTGPG
 PVKDLFSTTNRMVIFFTNMETRKGFKANFTSGYYLGIPEPCQDDEFQCKDGNCIPLGNLSDSYPHCRD
 GSDEASCVRFLNGTRSNGLVQFNIHSIWHIACAENWTTQISNEVCHLLGLGSANSSMPISSSTGGGPFVR
 VNQAPNGSLILTPSLQCSQDSLILLQCNHKSCGEKKVTQKVSPIVGGSDAQAGAWPWWVALYHRDRSTD
 RLLCGASLVSSDWLVSAAHCVYRRNLDPTRWAVLGLHMQSNLTPSQVRRRVVDQIVINPHYDRRRKVN
 IAMMHLEFKVNYTDYIQPICLPEENQIFIPGRTCSIAGWGYDKINAGSTVDVLKEADVPLISNEKCCQQQL
 PEYNITESMICAGYEEGGIDSCQDSDGGPLMCQENNRWFLVGVTSFGVQCALPNHPGVYVRSQFIEWIH
 SFLH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9002_d10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_178855

ORF Size: 3162 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_178855.4](#), [NP_849186.2](#)

RefSeq Size: 3681 bp

RefSeq ORF: 3165 bp

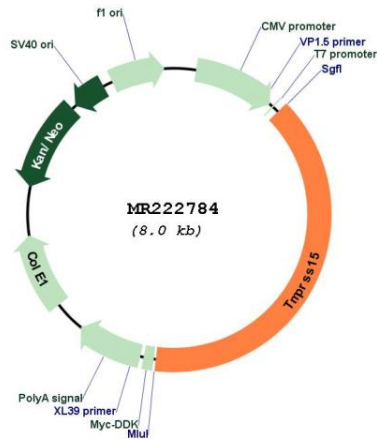
Locus ID: 19146

UniProt ID: [P97435](#)

Cytogenetics: 16 C3.1-C3.2
MW: 117.7 kDa

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]

Product images:



Circular map for MR222784