

Product datasheet for **MC223392**

Tmprss15 (NM_178855) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmprss15 (NM_178855) Mouse Untagged Clone
Tag: Tag Free
Symbol: Tmprss15
Synonyms: Entk; P; Prss7
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC223392 representing NM_178855
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAAATCCAGCAGAGACGAGGCTGTAGGACATCACTCTATCAGCTCTTTGAAGTGATGCTCTCAGCTC
 TCTTCATTATGCTCATGGTCTTCTCTATTGGATTAATTGCAGTGTCTGGCTTGCAGTCAAGGAATCTGA
 AGGAGATGCAGCCCTGGGAAAAGTCATGAAGTCAGAGGGACATTTAAAATAACATCTGGAGTGACATAT
 AATCCTAATTTACAAGACAAACACTCTGTGGATTTCAAAGTTCTTGCTTTTGACCTTCAGCAAATGATAG
 ACGAGATCTTTGAATCAAGTAGTCTGAAGAATGAATATGAAAAATCGAAGTTTTTCAATTTGAAAAAGG
 CAGCGTTATTGCTCTTTGACCTCTTTTTGCTCAGTGGGTGTCAGATAAAAAATGTAAAAGAAGAACTG
 ATTCAGGGCATTGAAGCAAATATATCCAGCCAACCTGGTCACTCTCCATATTGATTGAAACAGCATTGATA
 TCACAGCATCCTTGAGTGACTTCACAACAGCAGTCCCTGTAACAACCTCAGATAAGCTAACAACCAGCAG
 TCCTATGACAACCTCAGCATCACTGGGTAACCTTCAACAACAGTGGCTGCAACAACCTCAGGCCATGTC
 TCAATAGAGTGCCAGCCTGGTTCACGGCCCTGTGCTCATGCTTGGAACTGTGTAGCAACTGATTTGTTTT
 GTGATGGAGAAGTGAACGTCCAGATGGTTCAGATGAAGACACTGGCTATGTGCCACAGCTTGTGATGG
 AAGATTTTTGTTGACTGGAGATTCTGGGTTTTCCAAGCTGATCGTTATCCAAGGCCAGATGAATCAGGT
 GTTGTGGCCGATGGATCATCCGTGTAACCAAGGACTTTCCATTAGAATGAACTTTGGATCTTTTATTC
 CACATTATACAGATGTGTAGATATCTATGAAGGTATAGGACCTAGCAAATTTTAAAGAGGCTCCTTTTG
 GGAAACTGATCCTGGAACAATTCGAATTTTTCCAACCTAGTTACTGTCACCTTTCTGATAAAATCAGAT
 GAATATGATTACATTGGTTTTAATGCAACGTACAGCACTTTCAACAACAGCGAACTTAACAATTATGAGA
 AAATCGACTGTACATTTGATGATGGATTTTCTTGGACCCAGGATCTTGATGATGATAATGAGTGGGA
 AAGAATCCAAGTGACCACGTTTCTTGTACTGACACTGGCCACGTTTTGACCACACATATGGGAATGGCTCA
 GGATTTTACATTTCTACACCAACTGAACAGGGATGGAGAAGCGAAAGAGTAGGCCTTTCAAGCCTCTCTT
 TAGACCTCACTTCAGAGCCTGTCTGCCTTCATTTTTGGTATTACATGTGCTGTGAAAATGTCTACAATTT
 AAACATTCATATCAGCAGTGTGAAACACAGACAAGATAGTTTTTCAAAGGAAAGGAACTATGGGAGG
 AACTGGAATTATGGTCAAGTCACATTAATGAAACAGGAGAATTTAAGGTTGTGTTCAATGCTTTCAGAA



[View online >](#)

```

ACCGAGGTTGCAGTACAATAGCCCTGGATGATATAAGCCTAACAAATGGAATTTGTAGTCAGAGTCCTTA
TCCAGAACCAACCTTGGTTCCCACCCCTCCACCAGAGCTTCCAACCTGACTGCGGAGGACCTTTTGAACCTA
TGGGAGCCAAATTC AACCTTCAGTTCTCCGAACTTTCCAGACAAATATCCCAATCAAGCTTCCTGTATAT
GGAATTTAAATGCACAGAGAGGGAAAAATTC AACCTTCATTTTCAAGAATTCGATTTAGAAAACATCAA
TGATGTGGTGAAGTTAGAGATGGGGGAGAATTTGACTCCCTGCTCTAGCTGTGTACACAGGACCTGGT
CCTGTGAAGGACTTGTCTCTACCACCAATAGGATGACTGTGATTTTACCACAAACATGGAGACCAGAC
GCAAGGGCTTCAAAGCAAATTTCACTCCGGCTATTACTTGGGGATTCCAGAGCCCTGCCAAGATGACGA
ATTTTCAGTGCAAAGATGGAACTGCATTCCTCTGGGGAATCTCTGTGATAGCTACCCGCACTGTAGAGAT
GGCTCAGATGAAGCAAGCTGTGTGCGTTTTCTTAAATGGCACAAAGAAGCAACAATGGGTTGGTACAGTTCA
ATATCCATAGCATATGGCATATAGCTTGTGCTGAGAACTGGACCACAAAATTTCAAATGAAGTTTGTCA
TCTTCTGGGACTAGGGAGTGCAAACCTCATCAATGCCAATATCATCTACCGGAGGTGGACCATTTGTGAGA
GTAAACCAAGCCCTAATGGAAGCTTGATACTAATCCTAGTCTACAATGCTCCCAAGATTCCTTGATTC
TATTGCAATGCAACCATAAATCATGTGGAGAAAAAAGGTGACTCAGAAAGTCAGCCAAAGATCGTTGG
TGAAGTGACGCCAGGCAGGGCCTGGCCCTGGGTTGTGGCTTGTATCACAGAGACAGGTCTACAGAC
CGTCTGCTCTGCGGTGCATCTTGTGACGAGTACTGGCTGGTGTGACACTGTGTGTATAGAA
GAAATCTAGATCCAACCGATGGACAGCAGTCCCTGGGCCTGCATATGCAATCAAATCTGACTTCTCCTCA
AGTAGTAAAGACGGGTGGTTGATCAAATGTCTAAACCCTCATTATGACAGACGCAGAAAGGTCAACGCAC
ATCGCTATGATGCACCTTGAGTTTAAAGTAAATACACAGATTATATACAGCCTATTTGTTTACCAGAAG
AGAATCAAATATTTATCCAGGAAGAAGCTTGTTCGATTGCTGGCTGGGGATATGATAAAATAAATGCAGG
TTCTACTGTTGATGTGCTGAAAGAAGCTGATGTTCTCTTATATCCAATGAAAAGTGCCAGCAACAGCTG
CCAGAATAACAATCACTGAAAGTATGATATGTGCAGGATATGAAGAAGGAGGAATAGATTCTTGTGAGG
GTGATTCTGGAGGGCCATTAATGTGCCAAGAAAACAACAGATGGTTTCTTGTGGTGTGACATCATTGG
AGTCCAGTGTGCACTGCCTAATCACCCCTGGGGTATATGTCGAGTCTCACAGTTTATAGAATGGATCCAT
AGCTTTCTACATTAG

```

```

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

```

Restriction Sites:

SgfI-MluI

ACCN:

NM_178855

Insert Size:

3165 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_178855.4](#), [NP_849186.2](#)
RefSeq Size:

4149 bp

RefSeq ORF: 3165 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 (2) lacks an alternate in-frame exon, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.