

## Product datasheet for **MG222784**

### **Tmprss15 (NM\_178855) Mouse Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tmprss15 (NM_178855) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tmprss15
Synonyms:	Entk; P; Prss7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG222784 representing NM_178855 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAATCCAGCAGAGACGAGGCTGTAGGACATCACTCTATCAGCTCTTTTGAAGTGATGCTCTCAGCTC  
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ACGAGATCTTTGAATCAAGTAGTCTGAAGAATGAATATGAAAAATCGAAGTTTTTCAATTTGAAAAGG  
CAGCGTTATTGCTCTTTGACCTCTTTTTGCTCAGTGGGTGTCAGATAAAAATGTAAGAAGAACTG  
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TCACAGCATCCTTGAGTGACTTCACAACAGCAGTCCCTGTAACAACCTTCAGATAAGCTAACAAACCAGCAG  
TCCTATGACAACCTTCAGCATCACTGGGTAACCTTATCAACAACAGTGGCTGCAACAACCTTCAGGCCATGTC  
TCAATAGAGTGCCAGCCTGGTTCACGGCCCTGTGCTCATGCTTGGAACTGTGTAGCAACTGATTTGTTTT  
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CACATTATACAGATGTGTTAGATATCTATGAAGGTATAGGACCTAGCAAATTTTAAGAGGCTCCTTTTG  
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 GTGATTTGGAGGGCCATTAATGTGCCAAGAAAACAACAGATGGTTTCTTGTGGTGTGACATCATTGG  
 AGTCCAGTGTGCACTGCCTAATCACCCCTGGGGTATATGTCGAGTCTCACAGTTTATAGAATGGATCCAT  
 AGCTTTCTACAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG222784 representing NM\_178855  
 Red=Cloning site Green=Tags(s)

MKSSRDEAVGHHSISSFEVMLSALFIMLMVFSIGLIAVSWLAVKESEGDAALGKSHEVRGTFKITSGVTY  
 NPNLQDKHSVDFKVLAFDLQQMIDEIFESSLKNYEKSKVVFQFEKGSVIVLFDLFFAQWVSDKNVKEEL  
 IQGIEANISSQLVTLHIDLNSIDITASLSDFTTAVPVTTSDKLTSSPMTTSASLGNLSTTVAATTSGHV  
 SIECQPGSRPCAHAWNCVATDLFCDGEVNCPDGSEDEDTGLCATACDGRFLLTGDSGVFQADRYPRPDESG  
 VVCRWIIIRVNQGLSIRMNFGSFI PHYTDVLDIYEGIGPSKILRGSFWETDPTGIRIFSNLVTVFLIKSD  
 EYDYIGFNATYSTFNSELNNYEKIDCTFDDGFCFWTQDLDDNEWERIQTTFPCYTGPRFDHTYGNNGS  
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 WEPNSTFSSPNFPDKYPNQASCIWNLNAQRGKNIQLHFQEFLENINDVVEVRDGGFEFDSLALLAVYTGPG  
 PVKDLFSTTNRMTVIFTTNMETRRKGFKANFTSGYYLGIPEPCQDDEFQCKDGNCIPLGNLSDSYPHCRD  
 GSDEASCVRFLNGTRSNGLVQFNIHSHIACAEENWTTQISNEVCHLLGLGSANSSMPISSSTGGPFVVR  
 VNQAPNGSLILTPSLQCSQDSLILLQCNHKSCGEKKVTQKVSPIVGGSDAQAGAWPWWVALYHRDRSTD  
 RLLCGASLVSSDWLVSAHCVYRRNLDPTRWAVLGLHMQSNLTSPOVRRRVVDQIVINPHYDRRRKVN  
 IAMMHLEFKVNYTDYIQIICLPEENQIFIPGRTCSIAGWGYDKINAGSTVDVLKEADVPLISNEKCCQQQL  
 PEYNITESMICAGYEEGGIDSCQGDSSGGLMCQENNRWFLVGVTSFGVQCALPNHPGVYVYRVSQFIEWIH  
 SFLH

TRTRPLE - GFP Tag - V

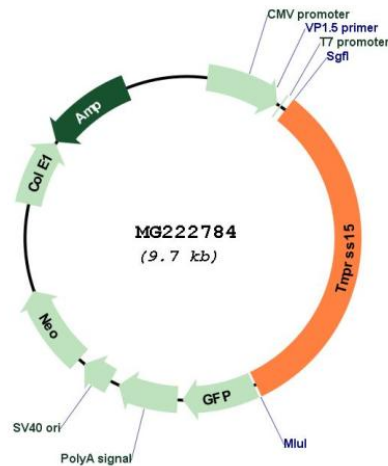
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_178855.4</a></u> , <u><a href="#">NP_849186.2</a></u>
<b>RefSeq Size:</b>	3681 bp
<b>RefSeq ORF:</b>	3165 bp
<b>Locus ID:</b>	19146
<b>UniProt ID:</b>	<u><a href="#">P97435</a></u>
<b>Cytogenetics:</b>	16 C3.1-C3.2
<b>Gene Summary:</b>	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]