

## Product datasheet for **MG220744**

### Tmprss11e (NM\_172880) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tmprss11e (NM_172880) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tmprss11e
Synonyms:	A030012E10; AY787860; DESC1; TTSP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG220744 representing NM_172880 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTATCGGTCATGTGTGGTGAGGGCCAGGAAGAGAACGTGTGTGGAGCCCTGGTTATCGGCATCATTT  
CTTTTTTATCCCTGATTGTCTTGGCAGTGTGCATTGGGCTCACTGTTCACTATGTCAGATAACAATCACAG  
GAGAACCTACAATTACTACAGCACGTTGTCAATCACAAGTGACAAGCTATATTCTGAGTTTGAAGAGAG  
GCTTCTAAAAATTCACAGAAATGAGCCAGAGAATTGAAACTATGGTAAAACATGCATTTCAATAATCTC  
CACTACGGGGACAACCTGTCAAGGCTCACATTATCAAGTTCAGTAAAGAAGATGATGGAGTGTGGCTCA  
CATGCTGCTGATTTTTCGAATTCGCTCTACCGAGGATCCTGAAACTGTGCATAAAATTATTGAGTATGTT  
CTGCATGAAAAGCTGAAGTATGCTACGGGACCCCAATGTTGATCCTGAGTCAGTAAAAATTA  
TCAACAAGACAGAATCAGACAACATTTCAACCATTGTTGTGGGACACGACGGAACAAATCTACAGTACA  
GACTAGTGTGAGGATTGTTGGAGGGACACCAAGTAGAAGAGGAAGAGTGGCCATGGCAAAGCAGCCTGCGG  
TGGGATGGGTCCCACCGCTGTGGAGCAACTTTGATCAACAACACATGGCTTGTGACTGCTGCTCACTGCT  
TTCGAACACACAAGGACCCATCCAGATGGAGTGTACCTTTGGGGCAACATTACAACCTCGAAAACCTGAC  
GACAGGATCCGGAGGATAATTGTTTCATGAAAAATACAAATACCCGTCATGACTATGACATGCACTGCACTG  
GCAGAACTGTCTAAGCCGGTCCCCTGCACAAATGCAGTGCATAAGGTTTGTCTCCAGATGCAAACCATG  
AGTTTCAGCCGGGCAGAGGATGTTTGTGACAGGATTTGGAGCATTGAAAAATGATGGTTTCACCCAGAA  
TAACCTTCGCAAGTACAGGTGGACTACATAGATACCCAGACCTGCAATCAGCCTCAATCTTACAACGGA  
GCCATCACTCCTAGGATGTTGTGCGCTGGCTTCTTAAAAGGAGAAAAAGATGCGTGCCAGGGTGACTCGG  
GAGGTCCACTTGTACTGCAGATGTTAGAGATATATGGTACCTTGCTGGAGTAGTGAGCTGGGGAGATGA  
ATGTGGCCAAACCAATAAGCCTGGTGTACACTAGAGTGACCGCCTCCGACACTGGATTGCTTCAAC  
ACTGGTATC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG220744 representing NM\_172880  
 Red=Cloning site Green=Tags(s)

MYRSCVVRARKRTCVEPWVIGIISFLSLIVLAVCIGLTVHYVRYNHRRTYNYSTLSFTSDKLYSEFGRE  
 ASKNFTEMSQRIETMVKHAFHKSPLRGQLVKAHIKFSKEDDGLAHMLLIFRIRSTEDPETVHKIIEYV  
 LHEKLYATGPPNVDPEVKIKKINKTESDNYFNHCCGTRRNKSTVQTSVRIVGGTPVEEEEWPQSSLR  
 WDGSHRCGATLINNTWLTAAHCFRTHKDPWSATFGATLQPRKLTGIRRIIVHEKYKYP SHDYDIAL  
 AELSKVPCTNAVHKVCLPDANHEFQPGQRMFVTGFALKNDGF TQNNLRQVQVDYIDTQTCNQPSYNG  
 AITPRMLCAGFLKGEKDACQGDSSGGLVTADV RDIWYLAGVVSWGDECGQPNKPGVYTRVTAFRHWIASN  
 TGI

TRTRPLE - GFP Tag - V

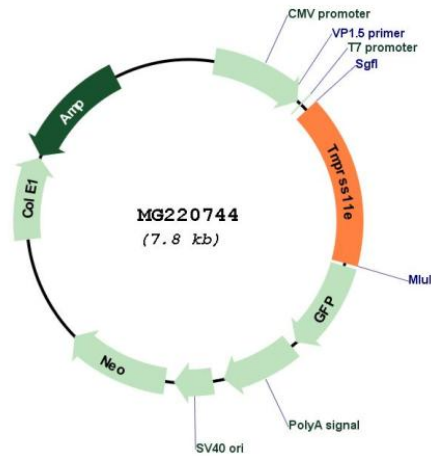
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_172880

<b>ORF Size:</b>	1269 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	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>	<a href="#">NM_172880.2</a> , <a href="#">NP_766468.1</a>
<b>RefSeq Size:</b>	3408 bp
<b>RefSeq ORF:</b>	1272 bp
<b>Locus ID:</b>	243084
<b>UniProt ID:</b>	<a href="#">Q5S248</a>
<b>Cytogenetics:</b>	5 E1
<b>Gene Summary:</b>	Serine protease which possesses both gelatinolytic and caseinolytic activities. Shows a preference for Arg in the P1 position.[UniProtKB/Swiss-Prot Function]