

## Product datasheet for **RG234366**

### **TMPRSS13 (NM\_001206789) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	TMPRSS13 (NM_001206789) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TMPRSS13
Synonyms:	MSP; MSPL; MSPS; TMPRSS11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG234366 representing NM\_001206789  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGAGAGGGACAGCCACGGGAATGCATCTCCAGCAAGAACACCTTCAGCTGGAGCATCTCCAGCCCAGG  
 CATCTCCAGCTGGGACACCTCCAGGCCGGGCATCTCCAGCCCAGGCATCTCCAGCCCAGGCATCTCCAGC  
 TGGGACACCTCCGGGCCGGGCATCTCCAGCCCAGGCATCTCCAGCTGGTACACCTCCAGGCCGGGCATCT  
 CCAGGCCGGGCATCTCCAGCCCAGGCATCTCCAGCCCAGGCATCTCCAGCCCGGGCATCTCCGGCTCTGG  
 CATCACTTTCCAGGTCTCATCCGGCAGGTATCATCCGCCAGGTGAGCCTCGGTGACAACCTCCCCAAC  
 CAGAGTGTACCTTGTAGAGCAACACCAGTGGGGGCTGTACCCATCCGATCATCTCTGCCAGGTGACGA  
 CCAGCAACCAGGGCCACCAGGGAGAGCCAGTCCAGTTCTGGCAGGGCCACACAGGGATCAGGTACAAGG  
 AGCAGAGGGAGAGCTGTCCAAGCACGCTGTTGCTGTGACGGGGTGGTGGACTGCAAGCTGAAGAGTGA  
 CGAGCTGGGCTGGTGGGTTTACTGGGACAAGTCTCTGCTTAAATCTACTCTGGGTCTCCCATCAG  
 TGGCTTCCCATCTGTAGCAGCAACTGGAATGACTCCTACTCAGAGAAGACCTGCCAGCAGCTGGGTTTCG  
 AGAGTGCTCACCGGACAACCGAGGTTGCCACAGGGATTTTGCCAACAGCTTCTCAATCTTGAGATACAA  
 CTCCACCATCCAGGAAAGCCTCCACAGGTCTGAATGCCCTTCCAGCGGTATATCTCTCTCCAGTGTTC  
 CACTGCGGACTGAGGGCCATGACCGGGCGGATCGTGGGAGGGGCGCTGGCCTCGGATAGCAAGTGGCCTT  
 GGCAAGTGAGTCTGCACTTCGGCACCACCACATCTGTGGAGGCACGCTCATTGACGCCAGTGGGTGCT  
 CACTGCCGCCACTGCTTCTCGTGACCCGGGAGAAGTCTGGAGGGCTGGAAGGTGTACGCGGGCACC  
 AGCAACCTGCACCAGTTGCCTGAGGCAGCCTCCATTGCCGAGATCATCAACAGCAATTACACCGTAG  
 AGGAGGACGACTATGACATCGCCCTCATGCGGCTGTCCAAGCCCTGACCCTGTCGCTCACATCCACCC  
 TGCTTGCCTCCCATGCAATGGACAGACCTTATAGCCTCAATGAGACCTGCTGGATCACAGGCTTTGGCAAG  
 ACCAGGGAGACAGATGACAAGACATCCCCCTTCTCCGGGAGGTGCAGGTCAATCTCATCGACTTCAAGA  
 AATGCAATGACTACTTGGTCTATGACAGTTACCTTACCCCAAGGATGATGTGTGCTGGGGACCTTGTGG  
 GGGCAGAGACTCTGCCAGGGAGACAGCGGGGGCCTTGTGTGTGAGCAGAACAACCGCTGGTACCTG  
 GCAGGTGTACCAGCTGGGGCACAGGCTGTGGCCAGAGAAACAACTGGTGTGTACACCAAGTACAG  
 AAGTTCTCCCTGGATTTACAGCAAGATGGAGAGCGAGGTGCGATTACAGAAAATCC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>RG234366 representing NM\_001206789  
 Red=Cloning site Green=Tags(s)

MERDSHGNASPARTPSAGASPAQASPAQTTPPGRASPAQASPAQASPAQTTPPGRASPAQASPAQTTPPGRAS  
 PGRASPAQASPAQASPARASPALASLSRSSGRSSSARSASVTTSPTRVYLVRATPVGAVPIRSSPARSA  
 PATRATRESPVQFWQHTGIRYKEQRESCPKHAVRCDGVVDCKLKSDELGCVRFDWDKSLKIIYSGSSHQ  
 WLPICSSNWNSYSEKTCQQLGFESAHRTEVAHRDFANSFSLRYNSTIQESLHRSECPQSORYISLQCS  
 HGLRAMTGRIVGGALASDSKWPQVSLHFGTTHICGGTLIDAQWVLTAAHCFVTRKVLGKVVYAGT  
 SNLHQLPEAASIAEIIINSNYTDEEDDYDIALMRLSKPLTLSAHIHPACLPMHGQTFSLNETCWITGFGK  
 TRETDDKTSFPLREVQVNLIDFKKNDYLVYDSYLTPRMMCAGDLRGGDRSCQGDSSGGLVCEQNNRWYL  
 AGVTSWGTGCGQRNKPGVYTKVTEVLPWIYSKMESEVFRKS

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_001206789

**ORF Size:** 1596 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\\_001206789.2](#)

**RefSeq Size:** 3343 bp

**RefSeq ORF:** 1599 bp

**Locus ID:** 84000

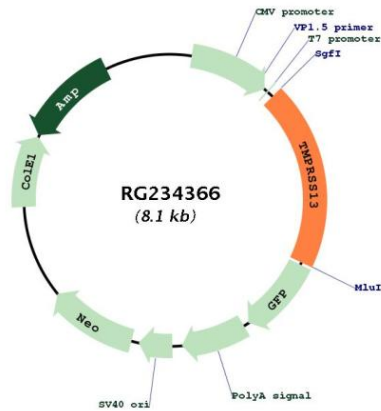
**UniProt ID:** [Q9BYE2](#)

**Cytogenetics:** 11q23.3

**Protein Families:** Druggable Genome, Protease, Transmembrane

**Gene Summary:** This gene encodes a member of the type II transmembrane serine protease family. Transmembrane serine proteases are regulated by protease inhibitors and known to function in development, homeostasis, infection, and tumorigenesis. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]

**Product images:**



Circular map for RG234366