

## Product datasheet for **RG234443**

### **TMPRSS13 (NM\_001244995) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	TMPRSS13 (NM_001244995) 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)



[View online »](#)

**ORF Nucleotide Sequence:**

>RG234443 representing NM\_001244995  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGAGGGACAGCCACGGGAATGCATCTCCAGCAAGAACACCTTCAGCTGGAGCATCTCCAGCCCAGG  
 CATCTCCAGCTGGGACACCTCCAGGCCGGGCATCTCCAGCCCAGGCATCTCCAGCCCAGGCATCTCCAGC  
 TGGGACACCTCCGGGCCGGGCATCTCCAGCCCAGGCATCTCCAGCTGGTACACCTCCAGGCCGGGCATCT  
 CCAGGCCGGGCATCTCCAGCCCAGGCATCTCCAGCCCAGGCATCTCCAGCCCGGGCATCTCCGGCTCTGG  
 CATCACTTTCCAGGTCTCATCCGGCAGGTATCATCCGCCAGGTACGCTCGGTGACAACCTCCCCAAC  
 CAGAGTGTACCTTGTAGAGCAACACCAGTGGGGGCTGTACCCATCCGATCATCTCTGCCAGGTACGCA  
 CCAGCAACCAGGGCCACCAGGGAGAGCCAGGTACGAGCCTGCCAAGTTCACCTGGCGGGAGGGCCAGA  
 AGCAGCTACCGCTCATCGGGTGCCTCTCCTCATTGCCCTGGTGGTTTCGCTCATCATCTCTTCCA  
 GTTCTGGCAGGGCCACACAGGGATCAGGTACAAGGAGCAGAGGGAGAGCTGTCCAAGCAGCCTGTTCCG  
 TGTGACGGGGTGGTGGACTGCAAGCTGAAGAGTACGAGCTGGGCTGCGTGAGGTTTACTGGGACAAGT  
 CTCTGCTTAAATCTACTCTGGGTCTCCCATCAGTGGCTTCCATCTGTAGCAGCAACTGGAATGACTC  
 TACTCAGAGAAGACCTGCCAGCAGCTGGGTTTCGAGAGTGTACCCGGACAACCGAGGTTGCCACAGG  
 GATTTTGGCAACAGCTTCTCAATCTTGAGATAAACTCCACCATCCAGGAAAGCCTCCACAGGTCTGAAT  
 GCCCTTCCAGCGGTATATCTCTCTCCAGTGTCCCACTGCGGACTGAGGGCCATGACGGGGCGGATCGT  
 GGGAGGGCGCTGGCCTCGGATAGCAAGTGGCCTGGCAAGTGAAGTCTGCACTTCGGCACCACCCACATC  
 TGTGGAGGCACGCTCATTGACGCCAGTGGGTGCTCACTGCCGCCACTGCTTCTTGTGACCCGGGAGA  
 AGGTCTGGAGGGCTGGAAGGTGACGCGGGCACCAGCAACCTGCACCAGTTGCCTGAGCAGCCTCCAT  
 TGCCGAGATCATCATCAACAGCAATTACACCGATGAGGAGGACGACTATGACATCGCCCTCATGCGGCTG  
 TCCAAGCCCTGACCCTGCTCGCTCACATCCACCTGCTTGCCTCCCATGCATGGACAGACCTTTAGCC  
 TCAATGAGACCTGCTGGATCACAGGCTTTGGCAAGACCAGGGAGACAGATGACAAGACATCCCCCTTCT  
 CCGGGAGGTGCAGGTCATCTCATCGACTTCAAGAAATGCAATGACTACTTGGTCTATGACAGTTACCTT  
 ACCCCAAGGATGATGTGTGCTGGGGACCTTCGTGGGGCAGAGACTCCTGCCAGGGAGACAGCGGGGGC  
 CTCTTGTCTGTGAGCAGAACAACCGCTGGTACCTGGCAGGTGTCACCAGCTGGGGCAGGCTGTGGCCA  
 GAGAAACAAACCTGGTGTGTACACCAAAGTGACAGAAGTCTTCCCTGGATTTACAGCAAGATGGAGAGC  
 TCAGCGGGT

**ACGCGT**ACGCGGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>RG234443 representing NM\_001244995  
 Red=Cloning site Green=Tags(s)

MERDSHGNASPARTPSAGASPAQASPAQASPAGTTPGRASPAQASPAQASPAQASPAGTTPGRASPAQASPAQASPAGTTPGRAS  
 PGRASPAQASPAQASPARASPALASLSRSSGRSSSARSASVTTSPTRVYLVRATPVGAVPIRSSPARSA  
 PATRATRESPGTSLPKFTWREGQKQLPLIGCVLLLIALLVSLIILFQFWQHTGIRYKEQRESCPKHAVR  
 CDGVVDCKLKSDELGCVRFDWDKSLKLIYSGSSHQWLPICSSNWNDSYSEKTCQQLGFESAHRTEVAHR  
 DFANSFSLRYNSTIQESLHRSECPQRSYISLQCSHCGLRAMTGRIVGGALASDSKWPWQVSLHFGTTHI  
 CGGTLIDAQWVLTAAHCFVVTREKVLEGWKVYAGTSLNLHQLPEASIAEIIINSNYTDEEDDYDIALMRL  
 SKPLTSAHIHPACLPMHGQTFSLNETCWITGFGKTREDDKTSPLREVQVNLIDFKKNDYLVYDSYL  
 TPRMCMAGDLRGGRDSCQGDSSGPLVCEQNNRWYLAGVTSWGTGCGQRNKPVGVTYKVTVEVLPWIYSKMES  
 SAG

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001244995

**ORF Size:** 1689 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\\_001244995.2](#)

**RefSeq Size:** 2254 bp

**RefSeq ORF:** 1692 bp

**Locus ID:** 84000

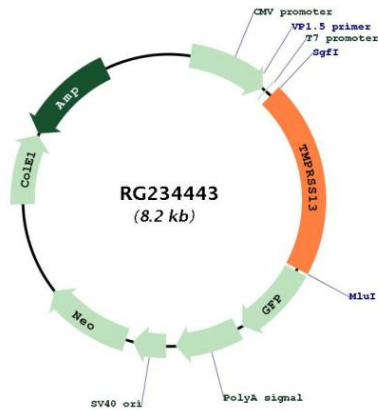
**UniProt ID:** [Q9BYE2](#)

**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 RG234443