

## Product datasheet for **RG216955**

### **TMPRSS13 (NM\_001077263) Human Tagged ORF Clone**

#### **Product data:**

|                           |                                                |
|---------------------------|------------------------------------------------|
| Product Type:             | Expression Plasmids                            |
| Product Name:             | TMPRSS13 (NM_001077263) 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:**

>RG216955 representing NM\_001077263  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGAGGGACAGCCACGGGAATGCATCTCCAGCAAGAACACCTTCAGCTGGAGCATCTCCAGCCCAGG  
 CATCTCCAGCTGGGACACCTCCAGGCCGGGCATCTCCAGCCCAGGCATCTCCAGCCCAGGCATCTCCAGC  
 TGGGACACCTCCGGGCCGGGCATCTCCAGCCCAGGCATCTCCAGCTGGTACACCTCCAGGCCGGGCATCT  
 CCAGGCCGGGCATCTCCAGCCCAGGCATCTCCAGCCCAGGCATCTCCAGCCCGGGCATCTCCGGCTCTGG  
 CATCACTTTCCAGGTCTCATCCGGCAGGTATCATCCGCCAGGTACGCTCGGTGACAACCTCCCCAAC  
 CAGAGTGTACCTTGTAGAGCAACACCAGTGGGGGCTGTACCCATCCGATCATCTCTGCCAGGTACGCA  
 CCAGCAACAGGGCCACCAGGGAGAGCCAGGTACGAGCCTGCCAAGTTCACCTGGCGGGAGGGCCAGA  
 AGCAGCTACCGCTCATCGGTGCGTCTCTCCTATTGCCCTGGTGGTTTCGCTCATCATCTCTTCCA  
 GTTCTGGCAGGGCCACACAGGGATCAGGTACAAGGAGCAGAGGGAGAGCTGTCCAAGCAGCCTGTTCCG  
 TGTGACGGGGTGGTGGACTGCAAGCTGAAGAGTACGAGCTGGGCTGCGTGAGGTTTGACTGGGACAAGT  
 CTCTGCTTAAATCTACTCTGGGTCTCCCATCAGTGGCTTCCATCTGTAGCAGCAACTGGAATGACTC  
 TACTCAGAGAAGACCTGCCAGCAGCTGGGTTTCGAGAGTGTCCACGGACAACCGAGGTTGCCACAGG  
 GATTTTGGCAACAGCTTCTCAATCTTGAGATAAACTCCACCATCCAGGAAAGCCTCCACAGGTCTGAAT  
 GCCCTTCCAGCGGTATATCTCTCTCCAGTGTCCCACTGCGGACTGAGGGCCATGACCGGGCGGATCGT  
 GGGAGGGCGCTGGCCTCGGATAGCAAGTGGCCTGGCAAGTGAAGTCTGCACTTCGGCACCACCCACATC  
 TGTGGAGGCACGCTCATTGACGCCAGTGGGTGCTCACTGCCGCCACTGCTTCTCGTGACCCGGGAGA  
 AGTCTCTGGAGGGCTGGAAGGTGACGCGGGACCAGCAACCTGCACCAAGTTGCCTGAGGCAGCCTCCAT  
 TGCCGAGATCATCATCAACAGCAATTACACCGATGAGGAGGACGACTATGACATCGCCCTCATGCGGCTG  
 TCCAAGCCCTGACCCTGCTCGCTCACATCCACCTGCTTGCCTCCCATGCATGGACAGACCTTTAGCC  
 TCAATGAGACCTGCTGGATCACAGGCTTTGGCAAGACCAGGGAGACAGATGACAAGACATCCCCCTTCT  
 CCGGGAGGTGCAGGTCAATCTCATCGACTTCAAGAAATGCAATGACTACTTGGTCTATGACAGTTACCTT  
 ACCCAAGGATGATGTGTGCTGGGGACCTTCGTGGGGCAGAGACTCTGCCAGGGAGACAGCGGGGGC  
 CTCTTGTCTGTGAGCAGAACAACCGCTGGTACCTGGCAGGTGTCACCAGCTGGGGCAGGCTGTGGCCA  
 GAGAAACAACCTGGTGTGTACACCAAAGTGACAGAAGTCTTCCCTGGATTTACAGCAAGATGGAGAGC  
 GAGGTGCGATTACAGAAAATCC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>RG216955 representing NM\_001077263  
 Red=Cloning site Green=Tags(s)

MERDSHGNASPARTPSAGASPAQASPAQASPAGTTPGRASPAQASPAQASPAQASPAGTTPGRASPAQASPAQASPAGTTPGRAS  
 PGRASPAQASPAQASPARASPALASLSRSSGRSSSARSASVTTSPTRVYLVRATPVGAVPIRSSPARSA  
 PATRATRESPGTSLPKFTWREGQKQLPLIGCVLLLIALLVSLIILFQFWQHTGIRYKEQRESCPKHAVR  
 CDGVVDCKLKSDELGCVRFDWDKSLKLIYSGSSHQWLPICSSNWNDSYSEKTCQQLGFESAHRTEVAHR  
 DFANSFSLRYNSTIQESLHRSECPQRSYISLQCSHCGLRAMTGRIVGGALASDSKWPWQVSLHFGTTHI  
 CGGTLIDAQWVLTAAHCFVFTREKVLEGWKVYAGTSNLHQLPEASIAEIIINSNYTDEEDDYDIALMRL  
 SKPLTLSAHIHPACLPMHGQTFSLNETCWITGFGKTREDDKTSPLREVQVNLIDFKKNDYLVYDSYL  
 TPRMCMAGDLRGGRDSCQGDSSGPLVCEQNNRWYLAGVTSWGTGCGQRNKPVGYYTKVTEVLPWIYSKMES  
 EVRFRKS

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI



|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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_001077263.3</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>RefSeq Size:</b>           | 3391 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>RefSeq ORF:</b>            | 1704 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Locus ID:</b>              | 84000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>UniProt ID:</b>            | <a href="#">Q9BYE2</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Cytogenetics:</b>          | 11q23.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Protein Families:</b>      | Druggable Genome, Protease, Transmembrane                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Gene Summary:</b>          | 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]                                                                                                                                                       |