

## Product datasheet for **RG211281**

### TRIML2 (NM\_173553) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TRIML2 (NM_173553) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TRIML2
Synonyms:	SPRYD6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG211281 representing NM_173553 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTGTGTGGGATACAAGAGGCTGCTGAGAATTACAGGAAGTTATTCCAGGAAATATTGAACACATCGA  
GGGAGAACTTGAAGCAGCTAAAAGCATATTGACTGATGAGCAAGAAAGAATGGCGATGATTCAGGAAGA  
GGAACAAAATTTAAAAAGATGATTGAGTCTGAGTATAGTATGAGACTCCGGTTGTTGAATGAAGAGTGT  
GAGCAGAATCTCCAGAGACAGCAGGAATGCATATCTGACTTGAACCTGAGAGAAACCTTCTGAATCAAG  
CGATCAAGCTTGCCACCGAGCTAGAGGAGATGTTCCAGGAAATGCTACAGAGACTGGGCCGTGTGGGGAG  
AGAGAACATGGAGAACTGAAGGAGAGTGAAGCCAGGGCTTCTGAACAGGTCCGCAGCCTCTAAAGCTC  
ATCGTGGAGCTTGAGAAAAAGTGTGGGAAGGCACCTTGGCATTGCTCAAGAATGCAAAATACTCTTTAG  
AAAGGAGCAAGTCACTGCTGCTTGGACATCTGGAGCCCGCTCATATCACAGACCTGAGTTTATGCCACAT  
AAGAGGACTCAGCAGCATGTTCCAGACTCTCCAGAGACATTTAACATTGGATCCTGAAACAGCTCATCCC  
TGCCTGGCACTATCTGAGGACCTGAGAACTATGAGATTGAGACATGGGCAGCAGGATGGGGCTGGCAACC  
CAGAAAGATTGGATTTCAAGTCCATGGTGTGGTGGCTGCGGAGAGCTTACCTCAGGAGGCACTACTGGGA  
GGTGGACGTGGAAAAGGCAACCAGGTGGCAAGTGGGCATATACCAGGCTCTGCAGACCGAAGGGCAGC  
ACGGCCAGAGCTTCCGGAGAGAAAGTCTTGCTCACGGGGTCCGGTATGGGGACCGAGTGGACTCTCTGGG  
TCTTCCCCCTCTGAAAAGGCTCTTCTGGAAAAGAAAGTTGGACACAGTTGGGGTTTTCTTCTGACTGCGA  
ACACGGGCAGATATCATTCTACAATGTGACTGAGATGTCCTCATTTACAATTTCTCCATTGCGCCTTC  
CAAGGAGCTCTCAGGCCTGTGTTTTCCCTCTGTATCCCAAATGGAGACACAAGTCCAGACTCCCTCACCA  
TCTTACAACATGGTCCTTCTTGTGATGCTACTGTTAGCCCT

**ACCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG211281 representing NM\_173553  
Red=Cloning site Green=Tags(s)

MVCGIQEAAENYRKL FQEILNTSREKLEAAKSILTDEQERMAMIQEEEQNFKKMIESEYSMLRLLNEEC  
 EQNLQRQQECISDLNLRRETLNQAIKLATELEEMFQEMLQRLGRVGRENMEKLKESEARASEQVRSLLKL  
 IVELEKKCGEGTLALLKNAKYSLERSKSLLEHLEPAHITDLSLCHIRGLSSMFRVLQRHLTDPETAHP  
 CLALSEDLRTMRLRHGQQDGAGNPERLDFSAMVLAASFSGRHYWEVDVEKATRWQVGIYHGSADAKGS  
 TARASGEKVLLTGSVMGTWTLWVFPPLKRLFLEKKLDTVGVFLDCEHGQISFYNVTEMSLIYNF SHCAF  
 QGALRPVFSLCIPNGDTSPDSL TILQHGPSCDATVSP

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_173553

**ORF Size:** 1161 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\\_173553.1](#), [NP\\_775824.1](#)

**RefSeq Size:** 1300 bp

**RefSeq ORF:** 1314 bp

**Locus ID:** 205860

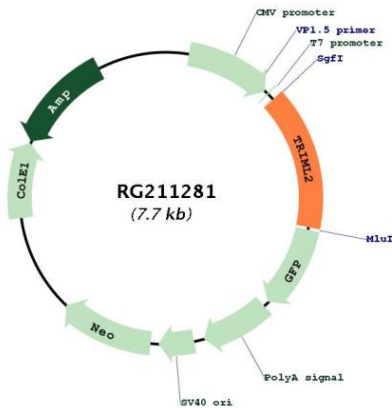
**UniProt ID:** [Q8N7C3](#)

**Cytogenetics:** 4q35.2

**Protein Families:** Druggable Genome

**Gene Summary:** This gene encodes a member of the tri-partite motif (TRIM) family of proteins. This protein may be regulated by the tumor suppressor p53 and may regulate p53 through the enhancement of p53 SUMOylation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2014]

## Product images:



Circular map for RG211281