

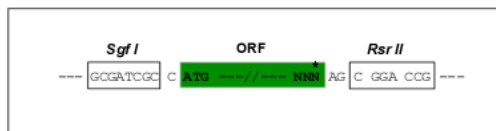
## Product datasheet for **RG215856**

### TRPS1 (NM\_014112) Human Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: TRPS1 (NM\_014112) Human Tagged ORF Clone  
 Tag: TurboGFP  
 Symbol: TRPS1  
 Synonyms: GC79; LGCR  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-AC-GFP (PS100010)  
 E. coli Selection: Ampicillin (100 ug/mL)  
 Restriction Sites: Sgfl-RsrII  
 Cloning Scheme:

Cloning sites used for ORF Shuttling:



Cloning sites used for ORF Shuttling:

*EcoR I*      *BamH I* *Kpn I*      RBS      *Sgf I*      *Asc I*  
 CTATAGGCGCGCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGATCGCCGCCGAGATCT

*Hind III*      *Nhe I* *Rsr II*      *Mlu I*      *Not I*      *Xho I*      GFP Tag  
 CAAGCTTAAGTCTAGTAGGGACCG    ACG CGT    ACG CGG CCG    CTC GAG    ATG GAG AGC GAC    ---

---      *Pme I*      *Fse I*  
 --- GAA GAA AGA GTT TAA ACGGCCGGCCGGAGCT  
 - - - E E R V Stop

ACCN: NM\_014112  
 ORF Size: 3882 bp



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**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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\\_014112.5](#)

**RefSeq Size:** 9990 bp

**RefSeq ORF:** 3885 bp

**Locus ID:** 7227

**UniProt ID:** [Q9UHF7](#)

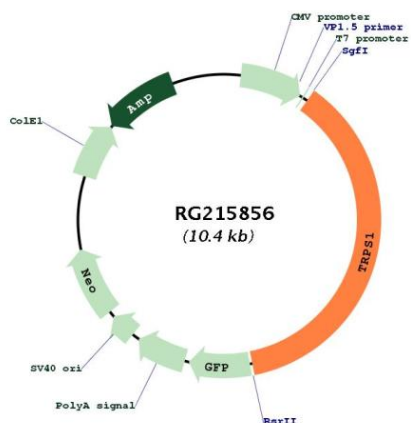
**Cytogenetics:** 8q23.3

**Domains:** GATA, zf-C2H2

**Protein Families:** Druggable Genome, Transcription Factors

**Gene Summary:** This gene encodes a transcription factor that represses GATA-regulated genes and binds to a dynein light chain protein. Binding of the encoded protein to the dynein light chain protein affects binding to GATA consensus sequences and suppresses its transcriptional activity. Defects in this gene are a cause of tricho-rhino-phalangeal syndrome (TRPS) types I-III. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG215856