

## Product datasheet for **RG233393**

### TRA2B (NM\_001243879) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TRA2B (NM\_001243879) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** TRA2B  
**Synonyms:** Htra2-beta; PPP1R156; SFRS10; SRFS10; TRA2-BETA; TRAN2B  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG233393 representing NM\_001243879  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCTACTCGCAGGCGTCATGTTGGGAATCGGGCAAATCCTGATCCTAACTGTTGTCTTGGAGTATTTG  
GGCTGAGCTTGTACACCACAGAAAGAGATCTAAGAGAAGTGTCTCTAAATATGGTCCCATTGCCGATGT  
GTCTATTGTATATGACCAGCAGTCTAGGCGTTCAAGAGGATTTGCCTTTGTATATTTGAAAATGTAGAT  
GATGCCAAGGAAGCTAAGAACGTGCCAATGGAATGGAGCTTGATGGGCGTAGGATCAGAGTTGATTCT  
CTATAACAAAAAGACCACATACGCCAACACCAGGAATTTACATGGGGAGACCTACCTATGGCAGCTCTCG  
CGTCGGGATTACTATGACAGAGGATATGATCGGGCTATGATGATCGGGACTACTATAGCAGATCATA  
AGAGGAGGAGGTGGAGGAGGAGGATGGAGAGCTGCCAAGACAGGGATCAGATTTATAGAAGCGGT  
CACCTTCTCTTACTATAGTCGTGGAGGATACAGATCACGTTCCAGATCTCGATCATACTCACCTCGTCC  
CTAT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG233393 representing NM\_001243879  
Red=Cloning site Green=Tags(s)

MSTRRRHVGNRANPDPNCCLGVFGLSLYTERDLREVFSKYGPIADVSIYDQQRSRSGFAFVYFENV  
DAKEAKERANGMELDGRIRVDFSIKRPHTPTPGIYMGRPTYGSSRRRDYYDRGYDRGYDDRDYYSRSY  
RGGGGGGGWRAAQDRDQIYRRRSPSPYYSRGGYRSRSRSYSPRRY

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**


**ACCN:** NM\_001243879

**ORF Size:** 564 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\\_001243879.2](#)

**RefSeq Size:** 4156 bp

**RefSeq ORF:** 567 bp

**Locus ID:** 6434

**UniProt ID:** [P62995](#)

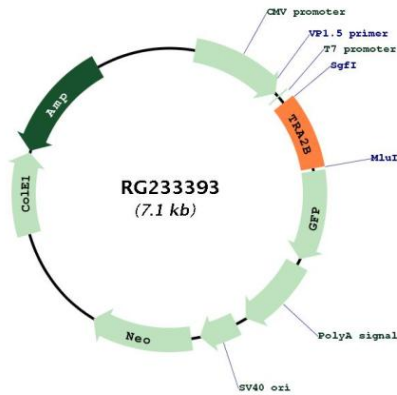
**Cytogenetics:** 3q27.2

**Protein Families:** Druggable Genome

**Protein Pathways:** Spliceosome

**Gene Summary:** This gene encodes a nuclear protein which functions as sequence-specific serine/arginine splicing factor which plays a role in mRNA processing, splicing patterns, and gene expression. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2011]

**Product images:**



Circular map for RG233393