

Product datasheet for **RG201542**

TRA2B (NM_004593) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRA2B (NM_004593) 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:	>RG201542 representing NM_004593 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCGACAGCGGCGAGCAGAACTACGGCGAGCGGGAATCCCGTTCTGCTTCCAGAAGTGAAGTGCTC
ACGGATCGGGGAAATCTGCAAGGCATACCCCTGCAAGGTCTCGCTCCAAGGAAGATTCCAGGCGTCCAG
ATCAAAGTCCAGGTCCCAGATCTGAATCTAGGTCTAGATCCAGAAGAAGCTCCCGAAGGCATTATACCCGG
TCACGGTCTCGTCCCGCTCCATAGACGATCACGTAGCAGGTCTACAGTCGAGATTATCGTAGACGGC
ACAGCCACAGCCATTCTCCCATGTCTACTCGCAGGCGTCATGTTGGGAATCGGGCAAATCCTGATCCTAA
CTGTTGTCTTGGAGTATTTGGGCTGAGCTTGACACCACAGAAAGAGATCTAAGAGAAGTGTCTCTAAA
TATGGTCCCATGGCCGATGTGTCTATTGTATATGACCAGCAGTCTAGGCGTTCAAGAGGATTTGCCTTTG
TATATTTTAAAAATGTAGATGATGCCAAGGAAGCTAAAGAACGTGCCAATGGAATGGAGCTTGATGGGCG
TAGGATCAGAGTTGATTTCTCTATAACAAAAAGACCACATACGCCAACACCAGGAATTTACATGGGGAGA
CCTACCTATGGCAGCTCTCGCCGTCGGGATTAATGACAGAGGATATGATCGGGGCTATGATGATCGGG
ACTACTATAGCAGATCATACAGAGGAGGAGGTGGAGGAGGAGGAGGATGGAGAGCTGCCAAAGACAGGGA
TCAGATTTATAGAAGCGGTACCTTCTCCTTACTATAGTCGTGGAGGATACAGATCACGTTCCAGATCT
CGATCATACTCACCTCGTCGCTAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG201542 representing NM_004593
 Red=Cloning site Green=Tags(s)

MSDSGEQNYGERESRSASRSGSAHGSGKSARHTPARSRKEDSRRSRKSRSRSESRRSRRSSRRHYTR
 SRSRSRSHRRSRSYSRDRYRRRSHSHSPMSTRRRHVGNRANPDNCLGVFGLSLYTTERDLREVFSK
 YGPIADVSIYDQQRSSRGFAFVYFENVDDAKEAKERANGMELDGRRI RVDFSITKRPHPTPGIYMGR
 PTYGSSRRRDYDRGYDRGYDDRYYRSYRGGGGGGWRAAQDRDQIYRRRSPSPYYSRGGYRSRSRS
 RSYSPRRY

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_004593

ORF Size: 864 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_004593.3](#)

RefSeq Size: 1972 bp

RefSeq ORF: 867 bp

Locus ID: 6434

UniProt ID: [P62995](#)

Cytogenetics: 3q27.2

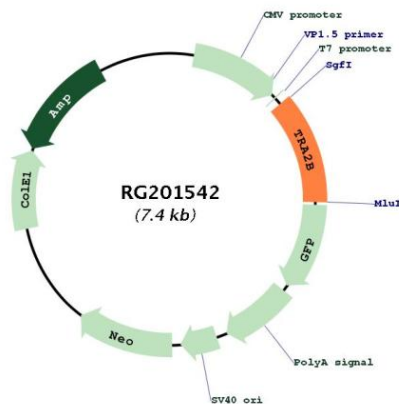
Domains: RRM

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 RG201542