

Product datasheet for **RG205513**

TRUB1 (NM_139169) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRUB1 (NM_139169) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TRUB1
Synonyms:	PUS4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG205513 representing NM_139169 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGCCGCTTCTGAGGCGCGGTGGTGTCTTCGCCGCTTTGAAAACAGACACATCCCCTGTCCTTGAAA
 CTGCAGGAACGGTCGCAGCAATGGCTGCGACCCCGTCAGCAAGGGCTGCAGCCGCGGTGGTTGCGGCCGC
 GGCCAGGACCGGATCCGAAGCCAGGGTCTCCAAGGCCGCTTTGGCTACCAAGCTGCTGTCCTTGAGCGGC
 GTGTTCCGCGTGCACAAGCCAAAGGGCCCACTTCAGCCGAGCTGCTGAATCGGTTGAAGGAGAAGCTGC
 TGGCAGAAGCTGGAATGCCTTCTCCAGAATGGACCAAGAGGAAAAAGCAGACTTTGAAAATTGGGCATGG
 AGGGACTCTAGACAGCGCAGCCCGAGGAGTTCTGGTTGTTGGAATTGGAAGCGGAACAAAAATGTTGACC
 AGTATGTTGTGAGGGTCCAAGAGATATACTGCCATTGGAGAACTGGGGAAGCTACTGATACACTAGATT
 CTACGGGGAGGGTAACAGAAGAAAAACCTTACGATAAAATAACACAAGAAGATATTGAAGGCATTCTACA
 GAAATTTACTGGAATATAATGCAAGTGCCCCCTCTATTCTGCATTAAAGAAAGATGGACAAAGACTT
 TCGACTTTGATGAAGAGAGGTGAAGTCGTAGAAGCAAAACCTGCCAGGCCAGTGAAGTATACAGTATCT
 CCCTTCAAAAATCCAGCCACCATTTTTCACATTAGATGTTGAATGTGGAGGAGGTTTTATATCAGAAG
 CTTGGTCAGTGACATTGAAAAAGAACTATCTTCTGTGCCAATGTGCTAGAGCTGACCCGAACCAACAG
 GGACCATTTACGCTAGAAGAATGCCCTTCTGAAGACAAATGGACAATTGATGACATTGCACAGTCTC
 TTGAGCATTGCTCATCTCTTTTCCAGCAGAGTTGGCACTTAAAAAATCAAAACCTGAGTCTAATGAACA
 GTTTTGAGCTGTGAATATATACTCTAAATGAGCCAAAGAGAGAAGATGATGTAATTAAGACGTGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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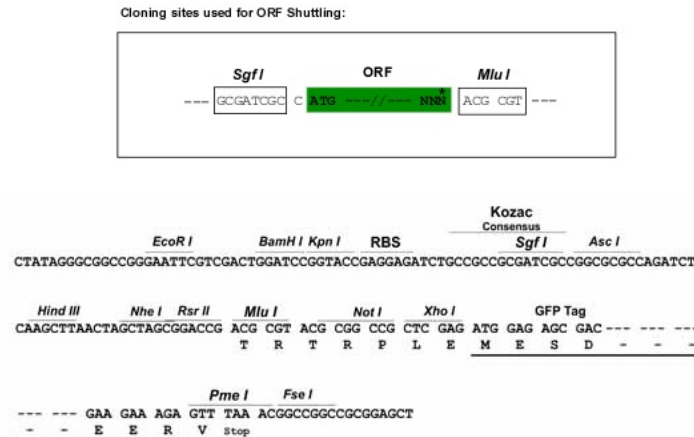
Protein Sequence: >RG205513 representing NM_139169
 Red=Cloning site Green=Tags(s)

MAASEAAVSSPSLKTDTSPVLETAGTVAAMAATPSARAAAAVVAAAARTGSEARVSKAALATKLLSLSG
 VFVHKPKGPTSAELLNRLKEKLLAEAGMPSPWTKRKKQTLKIGHGGTLDAAAGVLVVGIGSGTKMLT
 SMLSGSKRYTAIGELGKATDLDSTGRVTEEKPYDKITQEDIEGILQKFTGNIMQVPPLYALKKDGQRL
 STLMKRGVEVVEAKPARPVTVYSISLQKFQPPFFTLDECGGGFYIRSLVSDIGKELSSCANVLELTRTKQ
 GPFTLEEHALPEDKWTIDDIASLEHCSLFPALALKKSKPESNEQVLSCYITLNEPKREDDVIKTC

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_139169

ORF Size: 1047 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_139169.5](#)

RefSeq Size: 3412 bp

RefSeq ORF: 1050 bp

Locus ID: 142940

UniProt ID: [Q8WWH5](#)

Cytogenetics: 10q25.3

Domains: TruB_N

Gene Summary: Pseudouridine is an abundant component of rRNAs and tRNAs and is enzymatically generated by isomerization of uridine by pseudouridine synthase (Zucchini et al., 2003 [PubMed 12736709]).[supplied by OMIM, Mar 2008]

Product images:



Circular map for RG205513