

Product datasheet for **RG200105**

TRUB2 (NM_015679) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRUB2 (NM_015679) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TRUB2
Synonyms:	CLONE24922
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200105 representing NM_015679 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGGTCTGCTGGCTTGTGCGGGCTGCATGGGCTTTTCGCGGTCTATAAGCCCCGGGGCTAAATGGA
 AGCACCTGCGGGATACAGTGGAGCTACAACCTCTGAAGGGTCTCAATGCCAGGAAGCCTCCCGCTCCTAA
 ACAGCGTGTTGCTTCTTGCTGGGCCCCATGGAAGGCAGCGAAGAGAAGGAGCTGACCTCACAGCCACC
 AGCGTACCCTCTTTCATCAACCATCCACTGGTATGTGGACCAGCATTGCGCCATCTCAAGTTGGCGTGG
 GACATCGGTTGGATGCCAGGCTTCTGGAGTACTTGTGCTCGGCGTGGGACATGGATGCAGGCTCCTCAC
 CGATATGTACAATGCTCATCTTACCAAGGATTACACAGTGGCTGCGCTCCTGGGCAAGCTACAGATGAC
 TTCCGTGAGGACGGGAGGCTGGTAGAGAAGACAACCTATGACCACGTGACCAGAGAGAAGCTGGACCGCA
 TTCTGGCCGTTATCCAAGGCTCCCATCAGAAGGCCCTGGTGATGTACTCCAACCTCGACCTGAAGACCCA
 GGAGGCCATGAGATGGCCGTGAGAGGCTGATCCGGCCCATGAACAAGTCCCGATGCTGATAACTGGC
 ATCCGATGCCTCTACTTTGCACCTCCGGAATTCCTCTTAGAGGTGCAGTGCATGCATGAGACGCAGAAAG
 AGCTGCGGAAGTTGGTTCATGAAATCGGCCTGGAATAAGACCAGTCTGTCTGCACCAAGTGGCGG
 CACGCGGACGGCTTCTTACGCTAGACAGTGCCTCCTGAGGACCCAGTGGGACCTAACCAACATCCAG
 GATGCTATCCGGGCTGCTACCCCTCAGGTAGCTGCAGAGCTGGAGAAGAGCTTGAGCCCGGGGCTGGACA
 CCAAGCAGCTCCCGAGTCCGGGATGGTCTGGGACTCCAGGGCCGAGCTCTACCTTGGGGCTGGAGAG
 GGGTGGGGGCGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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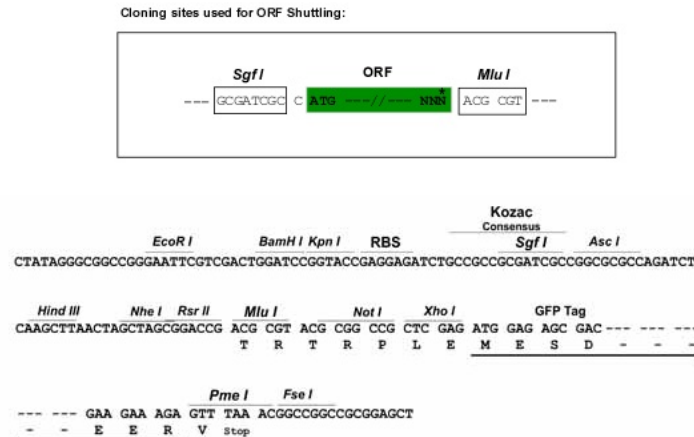
Protein Sequence: >RG200105 representing NM_015679
 Red=Cloning site Green=Tags(s)

MGSAGLSRLHGLFAVYKPPGLKWKHLRDTVELQLLKGLNARKPPAPKQVRVFLGPMEGSEEKELTLTAT
 SVPSFINHPLVCGPAFAHLKVGVGHRDAQASGVLVLGVGHGCRLLTDMYNAHLTKDYTVRGLLGKATDD
 FREDGRLVEKTTYDHVTREKLDRLAVIQGSHQKALVMYSNLDLKTQEAYEMAVRGLIRPMNKSPMLITG
 IRCLYFAPPEFLLEVQCMHETQKELRKLVEIGLELKTAVCTQVRRTRDGGFFTLDSALLRTQWDLTNIQ
 DAIRAATPQVAAELEKSLSPGLDTKQLPSPGWSWDSQGPSSTLGLERGAGQ

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_015679

ORF Size: 993 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_015679.3](#)

RefSeq Size: 1439 bp

RefSeq ORF: 996 bp

Locus ID: 26995

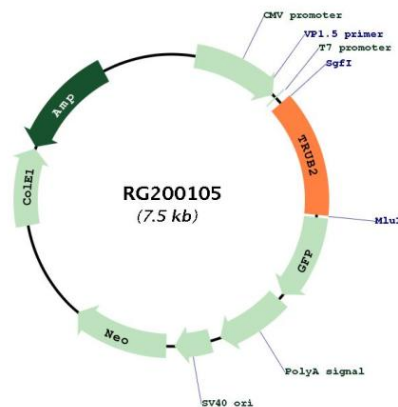
UniProt ID: [O95900](#)

Cytogenetics: 9q34.11

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 RG200105