

Product datasheet for **RC200105**

TRUB2 (NM_015679) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRUB2 (NM_015679) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TRUB2
Synonyms:	CLONE24922
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC200105 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGGGTCTGCTGGCTTGTGCGGGCTGCATGGGCTTTTCGCGGTCTATAAGCCCCGGGGCTAAATGGA
 AGCACCTGCGGGATACAGTGGAGCTACAACCTCTGAAGGGTCTCAATGCCAGGAAGCCTCCCGCTCCTAA
 ACAGCGTGTTGCTTCTTGCTGGCCCCATGGAAGGCAGCGAAGAGAAGGAGCTGACCTCACAGCCACC
 AGCGTACCCTCTTTCATCAACCATCCACTGGTATGTGGACCAGCATTGCGCCATCTCAAGTTGGCGTGG
 GACATCGTTGGATGCCAGGCTTCTGGAGTACTTGTGCTCGGCGTGGGACATGGATGCAGGCTCCTCAC
 CGATATGTACAATGCTCATCTTACCAAGGATTACACAGTGGCTGGCTCCTGGGCAAGCTACAGATGAC
 TTCCGTGAGGACGGGAGGCTGGTAGAGAAGACAACCTATGACCACGTGACCAGAGAGAAGCTGGACCGCA
 TTCTGGCCGTTATCCAAGGCTCCCATCAGAAGGCCCTGGTGTACTCCAACCTCGACCTGAAGACCCA
 GGAGGCCATGAGATGGCCGTGAGAGGCTGATCCGGCCCATGAACAAGTCCCGATGCTGATAACTGGC
 ATCCGATGCCTCTACTTTGCACCTCCGGAATTCCTCTTAGAGGTGCAGTGCATGCATGAGACGCAGAAAG
 AGCTGCGGAAGTTGGTTCATGAAATCGGCCTGGAACCTAAAGACCACTGCTGTCTGCACCCAAGTGGCGG
 CACGCGGACGGCTTCTTACGCTAGACAGTGCCTCCTGAGGACCCAGTGGGACCTAACCAACATCCAG
 GATGCTATCCGGGCTGCTACCCCTCAGGTAGCTGCAGAGCTGGAGAAGAGCTTGAGCCCGGGGCTGGACA
 CCAAGCAGCTCCCGAGTCCGGGATGGTCTGGGACTCCAGGGCCGAGCTCTACCTTGGGGCTGGAGAG
 GGGTGGGGGCGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC200105 protein sequence
 Red=Cloning site Green=Tags(s)

MGSAGLSRLHGLFAVYKPPGLKWKHLRDTVELQLLKGLNARKPPAPKQVRVFLGPMEGSEEKELTLTAT
 SVPSFINHPLVCGPAFAHLKVGVGHRDLAQASGVLVLGVGHGCRLLTDMYNAHLTKDYTVRGLLGKATDD
 FREDGRLVEKTTYDHVTREKLDRLAVIQGSHQKALVMYSNLDLKTQEAYEMAVRGLIRPMNKSPMLITG
 IRCLYFAPPEFLLEVQCMHETQKELRKLVEIGLELKTAVCTQVRRTRDGFFTLDSALLRTQWDLTNIQ
 DAIRAATPQVAEELEKSLSPGLDTKQLPSPGWSWDSQGPSSTLGLERGAGQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6385_a10.zip

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](#)

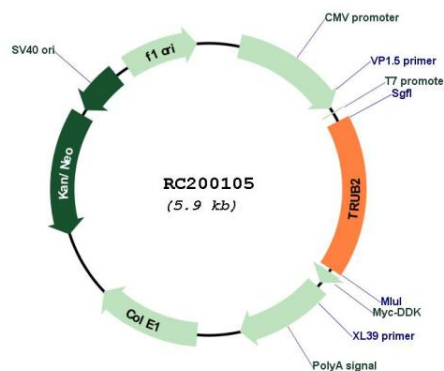
Cytogenetics: 9q34.11

Domains: TruB_N

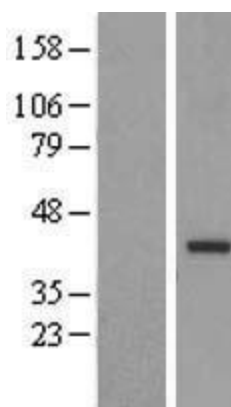
MW: 36.7 kDa

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]

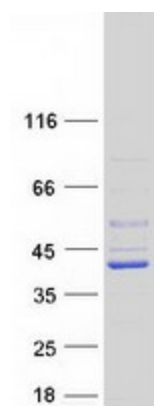
Product images:



Circular map for RC200105



Western blot validation of overexpression lysate (Cat# [LY414408]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200105 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TRUB2 protein (Cat# [TP300105]). The protein was produced from HEK293T cells transfected with TRUB2 cDNA clone (Cat# RC200105) using MegaTran 2.0 (Cat# [TT210002]).