

Product datasheet for **MC201103**

Trub2 (NM_145520) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trub2 (NM_145520) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Trub2
Synonyms:	G430055L02Rik
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC015285 sequence for NM_145520
 CCCCCTTCTGGATGATGTTGAACCGCTGAGTTCCAGCCATGGGTTCTTCTGGCCTAGCTCGGCTGCAGG
 GGCTCTTCGCTGTCTATAAACCTCCGGGCTGAAGTGGCTGCACTTGCCTGAGACCGTGGAGTTGCAACT
 GCTTAAAGGTCTCAATGCCCAGCAGCCTCTGCTCTGATCAGCGTGTTCGCTTCTTGCTAGGCCCTGTG
 GAAGGCAGTGAAGAGAAGAAGTTGACTCTCAGAGCCACCAATGTACCCTCCCTCACCACCACAGACTTG
 TACGTGGTCCAGCATTACAAACCTGAAGATCGGTGTGGGACATCGCTTGGATGTCCAGGCTTCTGGTGT
 GCTTGTGCTCGCGTGGGACATGGACGACGCTCCTCACTGACATGTATGATGCTCATCTACCAAGGAT
 TACACAGTGCCTGGCCTCCTGGGCAAAGCTACAGACAACCTTCTGTGAAGATGGACGGCTGATAGAGAAGA
 CAACGTATGACCACGTGACCAGAGAGCGGCTGGACCGGATCCTGGCTGTGATCCAAGGCTCCACCAAAAA
 AGCTCTGGTGTGTAATCCAACCTGGACCTGAAATCCCAGGAGGCTATGAGATGGCTGTGCAAGGTGTG
 ATCAGGCCCATGAACAAGTCCCCATGCTCATCTCTGGCATCCGCTGCCTGCACTTTGCACCTCCCGAGT
 TTCTTTTGGAGGTGCAGTGTATGCACGAGACGACGACGAGCTGAGGAAGCTGGTGCATGAAATCGGCCT
 GGAGCTGAAGACCAGCGTGTCTGCACGCAAGTGGGCGGACTCGGGATGGCTTCTTCGGCTGGATGAT
 GCCCTCCTGAGAACCCAGTGGGACCTACACAACATCCAGGATGCTATCCAGGCGGCAGCTCCCCGGGTGG
 CAGCGGAAGTGAAGAAAGTGTGAGCCTAAAGCTGGGCCACCATCAGCTCCCAGCACTGGGCAACCTTG
 GGGTCTCAAGGACCAAGCTCCACTTTGGAGTTGGAAAGCTGTTAGGGCAGTAAAGGGCCAGGTAGCAA
 CCAGATGGAGAGCAACAGGCTCTTACAGGTCAGAACTGGTCACTCCGAGGAGTAATGAGATCAGGGG
 CCCCTGAGCCATTATCCTTGAGACACAGACTAACTGCAGAGGCAAGCAGGTGTGGCCATGGGGGCTATC
 GTCCCAGCTAATTGGGAGGCCAGGTTAGAATCTTAACAGTTCAAGGCCAGCCTAGGGTTTCTTAGTAAA
 ACCTTGACTCAGAGTCAGGCATGATGTCTCAGGCTGTAACTTAGCCCTCCAGAGGTAGAAAGGAAAT
 CGTGAGTTCAAGGCCAGCCTGGGCTACTTGCAGTGTTCAGCTTTTCAACTGATGGGAAATGCCGCTGCCT
 CAGCACTCCTTGGCCGTGAGCGATGATCTTTTACAGAGGGAAGTCTTTTTTGTGTTTCAAGGTGTCT
 CACAGCTGAGATCTCAGTACTACTCAGCTGAGCCAGGAGGATGGCTCTGAGTTTAAAGGCCAGTCTGAACA
 AGTCTCCTGGAGTACTTTGTGGTATGTGTCAGTATTTAATCCTGCCAGTCAATCCTGCAAACTGTAAAT
 AGCACCTGGGTGGTGGAGACTGGAAGATCTGGAGTTCAAGGTCACTTTTGGCTACATAAGTTCCAGGCTA
 CATGAAACGTTATCTCTAAGACAATATAAAAAGCCAGAATTATTTTTTAAAGGTTTCTTTCTTATGC
 ATGTGAGTATTTACATGCATGTATGTCCACACCTGGTGCATCATGGAGGCTAGGAAAGGATGTAAGAGCC
 CTGTGGCTGGGCTTAAAGGCAGTTGTGAGCCACCAAGAAGATGCTGACAATGGACCACTAGTCTCTGGA
 AGACAGCTTAACCACTGGTCCATTTCTCAGAATTTAATTTAATGCCTGCCCTGTGATACAATGCTGTA
 ACTATCCCGTGCCCCGGCTGTAAACACAGGCTGATGATTGTTGGTGTCTGCAGTGTGAACACTAACAGGC
 TGATGATTGTTGGTGTCTGCAGTGTAAACACTAACAGGCTGATGATTGTTGGTGTCTGCAGTGTGAACGA
 AACTAACAGGCTGATGATTGTTGGTGTCTGCAGTGTGAACACTTACAGGCTGATGATTGTTGGTGTCTG
 CAGTGTGAACACTTACAGGCTGATGATTGTTGGTGTCTGCAGTGTGAACACTTACAGGCTGATGATTGTT
 GGTGTCTGCAGTGTGAACACTAACAGGCTGATGATTGTTGGTGTCTGCAGTGTGAACACTAACAGGCTGA
 TGATTGTTGGTGTCTGCAGTGTGAACACTTACAGGCTGATGATTGTTGGTGTCTGCAGTGTGAACACTAA
 CAGGCTGATGATTGTTGGTGTCTGCAGTGTGAACACTAACAGGCTGATGATTGTTGGTGTCTGCAGTGTG
 AACACTAACAGGACAGCAAGGGATGGTGTTCAGTCACTAGTGGTGCCGGTGAAGGCGTGGTGCAGAGAAGAC
 ATCGGGTTTATAAAATACAGTGGTTTTCTCTTTGAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_145520

Insert Size: 996 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	<u>BC015285, AAH15285</u>
RefSeq Size:	2571 bp
RefSeq ORF:	996 bp
Locus ID:	227682
UniProt ID:	<u>Q91WG3</u>
Cytogenetics:	2 B
Gene Summary:	Minor enzyme contributing to the isomerization of uridine to pseudouridine (pseudouridylation) of specific mitochondrial mRNAs (mt-mRNAs) such as COXI and COXIII mt-mRNAs. As a component of a functional protein-RNA module, consisting of RCC1L, NGRN, RPUSD3, RPUSD4, TRUB2, FASTKD2 and 16S mitochondrial ribosomal RNA (16S mt-rRNA), controls 16S mt-rRNA abundance and is required for intra-mitochondrial translation. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.