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Product datasheet for MC226212

Trub2 (NM_001290496) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trub2 (NM_001290496) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Trub2
Synonyms:	G430055L02Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC226212 representing NM_001290496 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGGTTCTTCTGGCCTAGCTCGGCTGCAGGGGCTCTTCGCTGTCTATAAACCTCCGGGGCTGAAGTGGC TGCACTTGCGTGAGACCGTGGAGTTGCAACTGCTTAAAGGTCTCAATGCCCAGCAGCCTCCTGCTCCTGA TCAGCGTGTTCGCTTCTTGCTAGGCCCTGTGGAAGGCAGTGAAGAGAAGAAGTTGACTCTCAGAGCCACC AATGTACCCTCCCTCACCACCCACAGACTTGTACGTGGTCCAGCATTCACAAACCTGAAGATCGGTGTGG GACATCGCTTGGATGTCCAGGCTTCTGGTGTGCTTGTGCTCGCCGTGGGACATGGACGCAGCCTCCTCAC TGACATGTATGATGCTCATCTCACCAAGGATTACACAGTGCGTGGCCTCCTGGGCAAAGCTACAGACAAC TTCTGTGAAGATGGACGGCTGATAGAGAAGACAACGTATGACCACGTGACCAGAGAGCGGCTGGACCGGA TCCTGGCTGTGATCCAAGGCTCCCACCAAAAAGCTCTGGTGATAGGTGCAGTGTATGCACGAGACGCAGC AGCAGCTGAGGAAGCTGGTGCATGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-MluI
ACCN:	NM_001290496
Insert Size:	585 bp

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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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001290496.1, NP_001277425.1
RefSeq Size:	3866 bp
RefSeq ORF:	585 bp
Locus ID:	227682
UniProt ID:	Q91WG3
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 (3) lacks an alternate exon that results in a frameshift in the 3' coding region, compared to variant 1. The encoded isoform (c) has a distinct C-terminus and is shorter than 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.