

Recombinant Mouse Trub2 Protein, Myc/DDK-tagged

Cat. No. Trub2-6678M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length TruB pseudouridine (psi) synthase family member 2 (Trub2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	36.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Trub2 TruB pseudouridine (psi) synthase family member 2 [Mus musculus (house mouse)]

Official Symbol Trub2

Synonyms TRUB2; TruB pseudouridine (psi) synthase homolog 2 (E. coli); probable tRNA pseudouridine synthase 2; G430055L02Rik

Gene ID 227682

mRNA Refseq NM_145520

Protein Refseq NP_663495

UniProt ID Q91WG3

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