

Recombinant Mouse Rtcb Protein, Myc/DDK-tagged

Cat. No. Rtcb-5639M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length RNA 2',3'-cyclic phosphate and 5'-OH ligase (Rtcb), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Catalytic subunit of the tRNA-splicing ligase complex that acts by directly joining spliced tRNA halves to mature-sized tRNAs by incorporating the precursor-derived splice junction phosphate into the mature tRNA as a canonical 3',5'-phosphodiester. May act as an RNA ligase with broad substrate specificity, and may function toward other RNAs. Essential during post-implantation development of embryos.
Molecular Mass	55.2 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
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Rtcb RNA 2',3'-cyclic phosphate and 5'-OH ligase [Mus musculus (house mouse)]
Official Symbol	Rtcb
Synonyms	Rtcb; RNA 2',3'-cyclic phosphate and 5'-OH ligase; FAAP; HSPC1; HSPC117; AI255213; AI463255; D10Wsu52; D10Wsu52e; RNA-splicing ligase RtcB homolog; 3'-phosphate/5'-hydroxy nucleic acid ligase; focal adhesion-associated protein; tRNA-splicing ligase RtcB homolog; EC 6.5.1.8
Gene ID	28088
mRNA Refseq	NM_145422
Protein Refseq	NP_663397
UniProt ID	Q99LF4

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