

## Recombinant Human RTCB Protein, His-tagged

**Cat. No.** RTCB-396H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human RTCB Protein (Met1-Gly505) with N-His tag was expressed in E. coli.                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                           |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | Met1-Gly505                                                                                                                                                                                                                                                     |
| <b>Description</b>      | Enables RNA ligase (ATP) activity and vinculin binding activity. Involved in tRNA splicing, via endonucleolytic cleavage and ligation. Located in cytosol and nucleoplasm. Part of tRNA-splicing ligase complex.                                                |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                             |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 58.9 kDa<br>Accurate Molecular Mass: 59 kDa                                                                                                                                                                                           |
| <b>Purity</b>           | > 95%                                                                                                                                                                                                                                                           |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                      |
| <b>Stability</b>        | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is |

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less than 5% within the expiration date under appropriate storage condition.

**Storage**

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

**Storage Buffer**

PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.

**Reconstitution**

Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## GENE INFORMATION

**Gene Name**

RTCB RNA 2',3'-cyclic phosphate and 5'-OH ligase [ Homo sapiens (human) ]

**Official Symbol**

RTCB

**Synonyms**

FAAP; HSPC117; DJ149A16.6; RP1-149A16.6; RTCB; RNA 2',3'-cyclic phosphate and 5'-OH ligase

**Gene ID**

51493

**mRNA Refseq**

NM\_014306

**Protein Refseq**

NP\_055121

**MIM**

613901

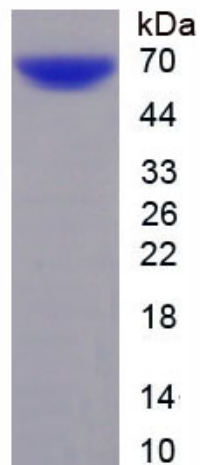
**UniProt ID**

Q9Y3I0

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