

Recombinant strain K12 RTCB Protein Product Manual

1. Product Basic Information

Product No.: REP08138

Protein Name: Dj149A16.Rna-Splicing Ligase RtcB (RTCB)

Aliases: FAAP; HSPC117; C22orf28; DJ149A16.RNA-splicing ligase RTCB; ankyrin repeat domain 54; RNA-splicing ligase RtcB homolog; focal adhesion-associated protein; tRNA-splicing ligase RtcB homolog; 3'-phospha...

UniProt ID: Q9Y3I0

UniProt Link: <https://www.uniprot.org/uniprotkb/Q9Y3I0/entry>

Species Source: Escherichia coli (strain K12)

Expression System: E.coli

Protein Length: Full Length (1-408aa)

Molecular Weight: 61.2kDa

Protein Tag: N-terminal 6xHis-SUMO-tagged

2. Amino Acid Sequence (1-408aa)

MNYELLTTENAPVKMWTGVPVEADARQQLINTAKMPFIFKHIAVMPDVHLGKGSTI
GSVIPTKGAIIPAAVGVVDIGCGMNALRTALTAEDLPENLAELRQAIETAVPHGRTTGR
CKRDKGAWENPPVNVDAKWAELEAGYQWLTQKYPRFLNTNNYKHLGTLGTGNHFI
EICLDESDQVWIMLHSGSRGIGNAIGTYFIDLAQKEMQETLETLP SRDLAYFMEGTE
YFDDYLKAWAWAQLFASLNRDAMMENVVTALQSITQKTVRQPQTLAMEEINCHHNY
VQKEQHFGEEIYVTRKGAVSARAGQYGIIPGSMGAKSFIVRGLGNEESFCSCSHGA
GRVMSRTKAKKLFSVEDQIRATAHVECRKDAEVIDEIPMAYKIDIDAVMAAQSDLVEV
IYTLRQVVCVKG

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.



4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant strain K12 RTCB full length protein (1-408aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. RTCB, also known as FAAP or HSPC117 or C22orf28, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.