



Recombinant *Bacillus cereus* BLM Protein Product Manual

1. Product Basic Information

Product No.: REP06262

Protein Name: Recq Protein-Like Blm Recq Like Helicase (BLM)

Aliases: BS; RECQ2; RECQL2; RECQL3; MGRISCE1; recQ protein-like BLM RecQ like helicase; DNA 3'-5' helicase BLM; bloom syndrome protein; recQ-like DNA helicase BLM; Bloom syndrome, RecQ helicase-like

UniProt ID: P54132

UniProt Link: <https://www.uniprot.org/uniprotkb/P54132/entry>

Species Source: *Bacillus cereus*

Expression System: *E.coli*

Protein Length: Full Length of Mature Protein (31-257aa)

Molecular Weight: 31.9

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (31-257aa)

SQKVEKTVIKNETGTISISQLNKNVWVHTELGSFNGEAVPSNGLVLNTSKGLVLVDS
SWDDKLTKELIEMVEKKFQKRVTDVITHAHADRIGGIKTLKERGIKAHSTALTAELAK
KNGYEEPLGDLQTVTNLKFGNMKVETFYPGKGHTEDNIVVWLPQYNILVGGCLVKS
TSAKDLGNVADAYVNEWSTSIENVLKRYRNINAVVPGHGEVGDKGLLLHTDLLK

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



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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 *Bacillus cereus* BLM full length of mature protein protein (31-257aa) expressed in *E.coli*. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. BLM, also known as BS or RECQ2 or RECQL2, 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.