



Recombinant strain BCG / Pasteur 1173P2 fbpB Protein Product Manual

1. Product Basic Information

Product No.: REP06856

Protein Name: FbpBDiacylglycerol Acyltransferase/Mycolyltransferase Ag85B (fbpB)

Aliases: fbpBDiacylglycerol acyltransferase/mycolyltransferase Ag85B; DGAT; EC 2.3.1.122 an

UniProt ID: P21160

UniProt Link: <https://www.uniprot.org/uniprotkb/P21160/entry>

Species Source: Mycobacterium bovis (strain BCG / Pasteur 1173P2)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (41-325aa)

Molecular Weight: 37.5 kDa

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (41-325aa)

FSRPGLPVEYLQVPSPSMGRDIKVQFQSGGNNSPAVYLLDGLRAQDDYNGWDINT
PAFEWYYQSGLSIVMPVGGQSSFYSWYSPACGKAGCQTYKWETLLTSELPQWL
SANRAVKPTGSAAIGLSMAGSSAMILAAYHPQQFIYAGSLALLDPSQGMGPSLIGL
AMGDAGGYKAADMWGPSSDPAWERNDPTQQIPKLVANNTRLWVYCGNGTPNEL
GGANIPAEFLENFVRSSNLKFQDAYNAAGGHNAVFNFPPNGTHSWEYWGAQLNA
MKGDLQSSLGAG

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 BCG / Pasteur 1173P2 fbpB full length of mature protein protein (41-325aa) expressed in E.coli. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. fbpB, also known as fbpBDiacylglycerol acyltransferase/mycolyltransferase Ag85B or DGAT or EC 2.3.1.122 an, 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.