

MBP E.Coli

Description: Maltose Binding Protein E.Coli Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 387 amino acids and having a molecular mass of 42 kDa.

Catalog #: PRPS-623

Source: Escherichia Coli.

For research use only.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MKIEEGKLV I WINGDKGYNG LAEVGKKFEK DTGIKVTVEH
PDKLEEKFPQ VAATGDGPD I FWAHDFRGG YAQSGLLAEI TPKAFQDKL YPFTWDAVRY
NGKLIAYPIAVEALSLIYNK DLLPNPPKTW EEIPALDKEL KAKGKSALMF NLQEPYFTWP
LIAADGGYAF KYENGKYDIK DVGVDNAGAK AGLTFLVDLI KNKHMNADTD YSIAEAAFNK
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Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:

The Maltose Binding Protein solution (1 mg/ml) contains 20mM Tris-HCl pH-8.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

Maltose Binding Protein is a member of the maltose/maltodextrin system of E.Coli, which is accountable for the uptake and efficient catabolism of maltodextrins. The maltose/maltodextrin is a complex regulatory and transport system involving many proteins and protein complexes. MBP elevates the yield of its fusion partner in many cases and is often able to promote the solubility of polypeptides to which it is fused.

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