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- Mindermengenzuschlag
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- Expressversand

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Recombinant Maltose Binding Protein (MBP)

CLPRO616
CLPRO616-2
CLPRO616-3
Lot:

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.

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

Source: *Escherichia Coli*.

Presentation: 50 µg (CLPRO616), 200 µg (CLPRO616-2), or 1 mg (CLPRO616-3), sterile filtered colorless solution (1 mg/ml). The Maltose Binding Protein solution contains 20 mM Tris pH 8.

Stability: Maltose Binding Protein although stable 4°C for 4 weeks, should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

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 GETAMTINGP WAWSNIDTSK
VNYGVTVLPT FKGQPSKPFV GVLSAGINAA SPNKELAKEF LENYLLTDEG LEAVNKDKPL
GAVALKS YEE ELAKDPRIAA TMENAQKGEI MPNIPQMSAF WYAVRTAVIN AASGRQTVDE
ALKDAQTNSS SNNNNNNNNN NLGIEGR.

Purity:
Greater than 95.0% as determined by SDS-PAGE.

Laboratory Reagent For Research Use Only

JV 06/23/11

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