



Product Datasheet

Product Name Maltose Binding Protein Human Recombinant

Cata No CB501473

Source *Escherichia Coli.*

Synonyms

Description

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.

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

Physical Appearance

Sterile Filtered colorless solution.

Purity

Greater than 95.0% as determined by:

(a) Analysis by RP-HPLC.

(b) Analysis by SDS-PAGE.

Formulation

The Maltose Binding Protein solution contains

20mM 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.

Sequence

MKIEEGKLVI WINGDKGYNG LAEVGKKFEK
DTGIKVTVEH PDKLEEKFPQ VAATGDGPD
IFWAHDRFGG YAQSGLLAEI TPKAFQDKL
YPFTWDAVRY NGKLIAYPIAVEALSLIYNK
DLLPNPPKTW EEIPALDKEL KAKGKSALMF
NLQEPYFTWP LIAADGGYAF KYENKDYDIK
DVGVDNAGAK AGLTFLVDLI KNKHMNADTD
YSIAEAAFNK GETAMTINGP WAWSNIDTSK
VNYGVTVLPT FKGQPSKPFV GVLSAGINAA
SPNKELAKEF LENYLLTDEG LEAVNKDKPL
GAVALKSYEE ELAKDPRIAA TMENAQKGEI
MPNIPQMSAF WYAVRTAVIN AASGRQTVDE
ALKDAQTNSS SNNNNNNNNN NLGIEGR.