
Product Data Sheet

Product Name: MBP (27-392) E.Coli

Cat. No.: GP23894

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.

Amino Acid Sequence
 MKIEEGKLVI WINGDKGYNG LAEVGKKFEK DTGIKVTVEH PDKLEEKFPQ
 VAATGDGPDI IFWAHDRFGG YAQSGLLAEI TPDKAFQDKL YPFTWDAVRY
 NGKLIAYPIAVEALS LIYNK DLLPNPPKTW EEIPALDKEL KAKGKSALMF
 NLQEPYFTWP LIAADGGYAF KYENGKYDIK DVGVDNAGAK AGLTFLVDLI
 KKNKHMNADTD YSIAEAAFNK GETAMTINGP WAWSNIDTSK VNYGVTVLPT
 FKGQPSKPFV GVLSAGINAA SPNKELAKEF LENYLLTDEG LEAVNKDKPL
 GAVALKSYEE ELAKDPRIAA TMENAQKGEI MPNIPQMSAF WYAVRTAVIN
 AASGRQTVDE ALKDAQTNSS SNNNNNNNNN NLGIEGR.

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

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.

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.

Background

Maltose Binding Protein E.Coli Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 387 amino acids (27-392) with additional

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20aa linker and having a molecular mass of 42kDa.

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