9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

MBP E.Coli, His

Maltose Binding Protein E.coli Recombinant, His Tag
RCP1335

Product Overview

Name	MBP E.Coli, His
Description	
Maltose Binding Protein E.coli Recombinant, His Tag	
Accession (Primary)	P0AEX9
Synonyms	
Maltose-binding periplasmic protein, MBP, MMBP, Maltodextrin-binding protein, malE, b4034, JW3994.	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
MBP protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl and 10% glycerol.	
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.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGSM KIEEGK LVIWINGDKG YNGLAEVGKK FEKDTGIKVT VEHPDKLEEK FPQVAATGDG PDIIFWAHDR FGGYAQSGLL AEITPDKAFQ DKLYPFTWDA VRYNGKLIAY PIAVEALSLI YNKDLLPNPP KTWEEIPALD KELKAKGKSA LMFNLQEPYF TWPLIAADGG YAFKYENGKY DIKDVGVDNA GAKAGLTFLV DLIKNKHMNA DTDYSIAEAA FNKGETAMTI NGPWAWSNID TSKVNYGVTV LPTFKGQPSK PFVGVLSAGI NAASPNKELA KEFLENYLLT DEGLEAVNKD KPLGAVALKS YEEELAKDPR IAATMENAQK	

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GEIMPNIPQM SAFWYAVRTA VINAASGRQT VDEALKDAQT NSSSNNNNNN NNNNLGIEGR .

Precautions

MBP E.Coli, His is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P0AEX9)