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Datasheet for ABIN5853046

Maltose Binding Protein Protein (MBP) (AA 27-392) (His tag)

1 Image

Overview

Quantity:	100 µg
Target:	Maltose Binding Protein (MBP)
Protein Characteristics:	AA 27-392
Origin:	E. coli
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Maltose Binding Protein protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MGSSHHHHHH SSSLVPRGSH MGSMKIEEGK LVIWINGDKG YNGLAEVGKK FEKDTGIKVT VEHPDKLEEK FPQVAATGDG PDIIFWAHDR FGGYAQSGLL AEITPKAFQ DKLYPFTWDA VRYNGKLIAY PIAVEALSLI YNKDLLPNPP KTWEIIPALD KELKAKGKSA LMFNLQEPYF TWPLIAADGG YAFKYENGY DIKDVGVDNA GAKAGLTFLV DLIKNKHMNA DTDYSIAEAA FNKGETAMTI NGPWAWSNID TSKVNYGVTV LPTFKGQPSK PFVGVLSAGI NAASPNKELA KEFLENYLLT DEGLEAVNKD KPLGAVALKS YEEELAKDPR IAATMENAQK GEIMPNIPQM SAFWYAVRTA VINAASGRQT VDEALKDAQT NSSNNNNNNN NNNNLGIEGR
Purity:	> 95 % by SDS - PAGE

Target Details

Target:	Maltose Binding Protein (MBP)
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Target Details

Alternative Name: maltose Binding Protein ([MBP Products](#))

Background: Cytoplasmic maltose-binding protein, also known as MBP, is a protein related with the maltose/maltodextrin system of Escherichia coli, which is responsible for the uptake and efficient catabolism of maltodextrins. It is a complex regulatory and transport system involving many proteins and protein complexes. MBP has been used to increase the yield of its fusion partner in many cases. In addition, MBP is often able to promote the solubility of polypeptides to which it is fused. Recombinant E.coli MBP protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Molecular Weight: 44.9kDa (410aa), confirmed by MALDI-TOF

NCBI Accession: [NP_418458](#)

UniProt: [P0AEX9](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

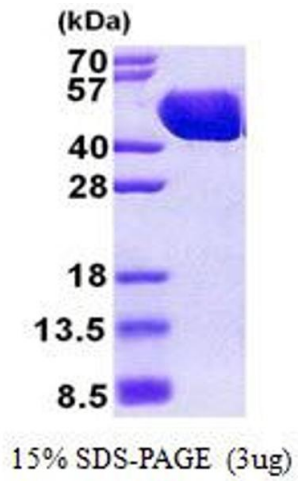
Format: Liquid

Concentration: 0.5 mg/mL

Buffer: Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10 % glycerol

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



SDS-PAGE

Image 1.