

AR50995PU-N

Maltose Binding Protein Tag / MBP-Tag (1-387, His-tag) - Purified

Alternate names:

MMBP, Maltodextrin-binding protein, malE-Tag

Quantity:

0.5 mg

Concentration:

0.5mg/ml (determined by Bradford assay)

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

Uniprot ID:

[P0AEX9](#)

NCBI:

[AAB59056](#)

GeneID:

[948538](#)

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >95% by SDS - PAGE

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

Description:

AA Sequence:

MGSSHHHHH SGLVPRGSH MSGMKIEEGK LVIWINGDKG YNGLAEVGKK FEKDTGIKVT
VEHPDKLEEK FPQVAATGDG PDIIFWAHDR FGGYAQSGLL AEITPDKAFQ DKLYPFTWDA
VRYNGKLIAY PIAVEALSLI YNKDLLPNPP KTWEIIPALD KELKAKGKSA LMFNLQEPYF
TWPLIAADGG YAFKYENGKY DIKDVGVDNA GAKAGLTFLV DLIKNKHMNA DTDYSIAEAA
FNKGETAMTI NGPWAWSNID TSKVNYGVTV LPTFKGQPSK PFVGVLSAGI NAASPNKELA
KEFLENYLLT DEGLEAVNKD KPLGAVALKS YEEELAKDPR IAATMENAQK GEIMPNIPQM
SAFWYAVRTA VINAASGRQT VDEALKDAQT NSSNNNNNNN NNNNLGIEGR

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

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

Fox JD., et al. (2001) Protein Sci. 10(3):622-30 Riggs P., et al. (2000) Mol Biotechnol. 15:51-63.

Pictures:

