

MBP, 27-396 aa, E.coli, E.coli

Cat.NO.: TP02926

3th Edition

Synonyms:ECK4026, JW3994, malJ

Description:MBP also as known as Maltose Binding Protein 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 MBP was expressed in E.coli and purified by conventional chromatography techniques.

Form:Liquid. In phosphate buffered saline (pH 7.4) containing 10% glycerol.

Molecular Weight:40.8 kDa (371 aa)

Sequences:

MKIEEGKLVWINGDKGYNGLAEVGGKFEKDTGIKVTVEHPDKLEEKFPQVAATGDGPDIIFFWAHDRFGGYAQSGLL
AEITPDKAFQDKLYPFTWDAVRYNGKLIAYPIAVEALSIIYNKDLLPNPPKTWEEIPALDKELKAKGKSALMFNLQEPY
FTWPLIAADGGYAFKYENGGYDIKDVGVNDAGAKAGLTFLVDLIKNKHMNADTDYSIAEAAFNKGETAMTINGPWA
WSNIDTSKVNNGVTVLPTFKGQPSKPFVGVLSAGINAASPNKELAKEFLENYLLTDEGLEAVNKDKPLGAVALKSYE
EELAKDPRIAATMENAQKGEIMPNIQMSAFWYAVRTAVINAASGRQTVDEALKDAQTRITK

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Absorbance at 280nm)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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