

Recombinant E. coli MBP Protein

Cat. No. MBP-66E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant MBP was expressed in E.coli and purified by conventional chromatography techniques.
Species	E.coli
Source	E.coli
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.
Form	Liquid. In phosphate buffered saline (pH 7.4) containing 10% glycerol.
Molecular Mass	40.8 kDa (371 aa)
AA Sequence	MKIEEGKLVI WINGDKGYNG LAEVGKKFEK DTGIKVTVEH PDKLEEKFPQ VAATGDGPDI IFWAHDRFGG YAQSGLLAEI TPDKAFQDKL YPFTWDAVRY NGKLIAYPIA VEALSLIYNK DLLPNPPKTW EEIPALDKEL KAKGKSALMF NLQEPYFTWP LIAADGGYAF KYENGKYDIK DVGVDNAGAK AGLTFLVDLI KNKHMNADTD YSIAEAAFNK GETAMTINGP WAWSNIDTSK VNYGVTVLPT FKGQPSKPFV GVLSAGINAA SPNKELAKEF LENYLLTDEG LEAVNKDKPL GAVALKSYEE ELAKDPRIAA TMENAKQGEI MPNIPQMSAF WYAVRTAVIN

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AASGRQTVDE ALKDAQTRIT K

Purity

>95% by SDS - PAGE

Storage

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

Concentration

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

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