

Recombinant E. coli MaBP

Cat. No. MaBP-389E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant MaBP was expressed in E.coli and purified by conventional chromatography techniques.
Species	E.coli
Source	E.coli
ProteinLength	1-387aa
Description	MaBP (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. MaBP has been used to increase the yield of its fusion partner in many cases. In addition, MaBP is often able to promote the solubility of polypeptides to which it is fused.
Form	Liquid in 20mM Tris pH 8.0
Molecular Mass	42 kDa (387 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

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FKGQPSKPFV GVLSAGINAA SPNKELAKEF LENYLLTDEG LEAVNKDKPL
GAVALKSYEE ELAKDPRIAA TMENAQKGEI MPNIPQMSAF WYAVRTAVIN
AASGRQTVDE ALKDAQTNSS SNNNNNNNNN NLGIEGR

Purity > 95% by SDS - PAGE

Applications SDS-PAGE

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.

Concentration 1 mg/ml (determined by Bradford assay)

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