

Recombinant Human MBP protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human MBP(1-387aa) fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	MBP (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 20mM Tris pH 8.0.
Molecular Mass	42 kDa (387 aa)
AA Sequence	MKIEEGKLV I WINGDKGYNG LAEVGKKFEK DTGIKVTVEH PDKLEEKFPQ VAATGDGPDI IFWAHDRFGG YAQSGLLAEI TPKAFQDKLYPFTWDAVRY NGKLIAYPIA VEALSLIYNK DLLPNPPKTW EEIPALDKEL KAKGKSALMF NLQEPYFTWP LIAADGGYAF KYENKDYDIKDVGVNDAGAK AGLTFLVDLI KNKHMNADTD YSIAEAAFNK GETAMTINGP WAWSNIDTSK VNYGVTVLPT FKGQPSKPFV GVLSAGINAASPNKELAKEF LENYLLTDEG LEAVNKDKPL GAVALKSYEE ELAKDPRIAA TMENAQKGEI MPNIPQMSAF WYAVRTAVIN

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AASGRQTVDEALKDAQTNSS SNNNNNNNNN NLGIEGR

Purity > 95% by SDS - PAGE

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

Concentration 1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name MBP myelin basic protein [Homo sapiens]

Official Symbol MBP

Synonyms MBP; myelin basic protein; Golli-MBP; myelin basic protein; myelin A1 protein; myelin membrane encephalitogenic protein; MGC99675;

Gene ID 4155

mRNA Refseq NM_001025081

Protein Refseq NP_001020252

MIM 159430

UniProt ID P02686

Chromosome Location 18q23

Pathway MAPK Cascade, organism-specific biosystem;

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Function

structural constituent of myelin sheath;

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