

Maltose Binding Protein (MBP) Recombinant Protein | MBP recombinant protein

Maltose Binding Protein (MBP), 27-392aa, E Coli

CATALOG # AAA11752	HOST E Coli	APPLICATIONS SDS-Page
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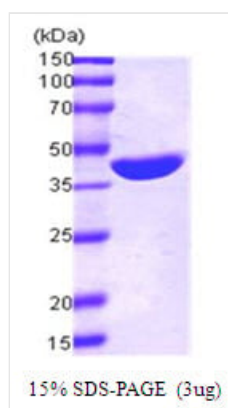
PRODUCT SYNONYMS

Maltose Binding Protein (MBP); 27-392aa; E Coli; Maltose binding protein; malE; E.coli MBP; Escherichia coli MBP; MBP; Maltodextrin-binding protein; MMBP; MBP recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid in 20mM Tris-HCL buffer (pH 8.0)
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence Positions	27-392aa
Sequence	MKIEEGKLV I WINGDKGYNG LAEVGKKFEK DTGIKVTVEH PDKLEEKFPQ VAATGDGPDI IFWAHDRFGG YAQSGLLAEI TPDKAFQDKL YPFTWDAVRY NGKLIAYPIA VEALSLIYNK DLLPNPPKTW EEIPALDKEL KAKGKSALMF NLQEPYFTWP LIAADGGYAF KYENGKYDIK DVGVDNAGAK AGLTFLVDLI KKNHNMADTD YSIAEAAFNK ETAMTINGPW AWSNIDTSKV NYGVTVLPTF KGQPSKPFVG VLSAGINAAS PNKELAKEFL ENYLLTDEGL EAVNKDKPLG AVALKSYYYY LAKDPRIAAT MENAQKGEIM PNIPQMSAFW YAVRTAVINA ASGRQTVDEA LKDAQTNSSS NNNNNNNNNN LGIEGR>
Applicable Applications for MBP recombinant protein	SDS-PAGE
Tag	Non-tagged
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Can be stored at 2-8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain

ADDITIONAL INFORMATION

Related Product Information for MBP recombinant protein	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.
Product Categories/Family for MBP recombinant protein	Fusion Tag & Detection
References	Fox JD., et al. (2001). Protein Sci. 10 (3): 622-30.; Riggs P., et al. (2000). Mol. Biotechnol. 15: 51-63.

NCBI AND UNIPROT INFORMATION

NCBI GI #	16131860
NCBI GeneID	948538
NCBI Accession #	NP_418458.1
NCBI GenBank Nucleotide #	NC_000913.3
UniProt Accession #	P0AEX9 ; P02928 ; Q2M6S0
Molecular Weight	42 kDa (387 aa)
NCBI Official Full Name	maltose transporter subunit
NCBI Official Symbol	malE
NCBI Official Synonym Symbols	ECK4026; JW3994; malJ
NCBI Protein Information	maltose transporter subunit
UniProt Protein Name	Maltose-binding periplasmic protein
UniProt Gene Name	malE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/male-recombinant-protein-e-coli-sds-page/11752>