

Maltose Binding Protein (27-396) E.coli Recombinant

Item Number	rAP-3557
Synonyms	Maltose-binding periplasmic protein, MBP, MMBP, Maltodextrin-binding protein, malE, b4034, JW3994.
Description	Recombinant E.Coli MBP produced in E.Coli is a single, non-glycosylated polypeptide chain containing 371 amino acids (27-396 a.a) and having a molecular mass of 40.8kDa. MBP protein was purified by proprietary chromatographic techniques.
Uniprot Accesion Number	P0AEX9
Amino Acid Sequence	MKIEEGKLVI WINGDKGYNG LAEVGKKFEK DTGIKVTVEH PDKLEEKFPQ VAATGDGPDI IFWAH-DRFGG YAQSGLLAEI TPDKAFQDKL YPFTWDAVRY NGKLIAYPIA VEALSLIYNK DLLPNPPKTW EEIPALDKEL KAKGKSALMF NLQEPEYFTWP LIAADGGYAF KYENGKYDIK DVGVVDNAGAK AGLTFLVDLI KNKHMNADTD YSIAEAAFNK GETAMTINGP WAWSNIDTSK VNYGVTVLPT FKGQPSKPFV GVLSAGI- NAA SPNKELAKEF LENYLLTDEG LEAVNKDKPL GAVALKSYEE ELAKDPRIA TMENAQKGEI MPNIPQMSAF WYAVRTAVIN AASGRQTVDE ALKDAQTRIT K.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	MBP protein solution (1mg/ml) containing phosphate buffered saline (pH 7.4) and 10% glycerol. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**