

Datasheet for ABIN934967

Maltose Binding Protein Protein (MBP) (AA 1-387)[Go to Product page](#)**1** Image

Overview

Quantity:	500 µg
Target:	Maltose Binding Protein (MBP)
Protein Characteristics:	AA 1-387
Origin:	E. coli
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MKIEEGKLV I WINGDKGYNG LAEVGKKFEK DTGIKVTV EHPDKLEEKFPQ VAATGDGPDI IFWAHDRFGG YAQSGLLAEI TPKAFQDKL YPFTWDAVRY NGKLIAYPIA VEALSLIYNK DLLPNPPKTW EEIPALDKEL KAKGKSALMF NLQEPYFTWP LIAADGGYAF KYENKDYDIK DVGVDNAGAK AGLTFLVDLI KNKHMNADTD YSIAEAAFNK GETAMTINGP WAWSNIDTSK VNYGVTVLPT FKGQPSKPFV GVLSAGINAA SPNKELAKEF LENYLLTDEG LEAVNKDKPL GAVALKSYEE ELAKDPRIAA TMENAQKGEI MPNIPQMSAF WYAVRTAVIN AASGRQTVDE ALKDAQTNSS SNNNNNNNNN NLGIEGR
Characteristics:	Purified recombinant E.coli MBP protein Expression System: E.coli Molecular weight on SDS-PAGE will appear higher.
Purity:	> 95 % pure

Target Details

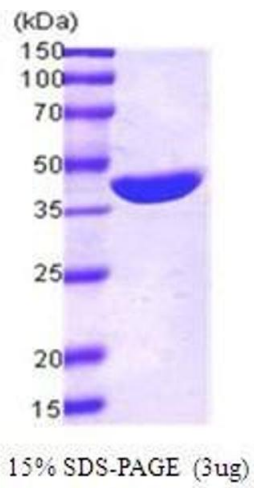
Target:	Maltose Binding Protein (MBP)
Alternative Name:	Maltose Binding Protein (MBP Products)
Background:	<p>MBP (Maltose Binding Protein) is a protein related with the maltose/maltodextrin system of <i>Escherichia coli</i>, which is responsible for the uptake and efficient catabolism of maltodextrins. 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 <i>E. coli</i> and purified by conventional chromatography techniques.</p> <p>Alternative Names: <i>E. coli</i> MBP protein, <i>Escherichia coli</i> MBP, Maltose binding protein protein</p>
Molecular Weight:	42 kDa (387 AA)

Application Details

Application Notes:	MBP protein has been used in SDS PAGE and may be suitable for use in other assays to be determined by the end user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Supplied as a liquid in 20 mM Tris, pH 8.0.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	RT/-20 °C
Storage Comment:	Store at 4 °C for short term storage (1/2 weeks). Aliquot and store at -20 °C or -70 °C for long term storage.



SDS-PAGE

Image 1. Figure annotation denotes ug of protein loaded and % gel used.