

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850 UNITED STATES Phone: +1-888-267-4436 Fax: +1-301-340-8606 techsupport@origene.com

OriGene Technologies GmbH

Schillerstr. 5 32052 Herford GERMANY Phone: +49-5221-34606-0 Fax: +49-5221-34606-11 info-de@origene.com

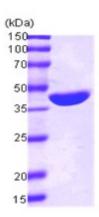
AR03009PU-L E. coli Maltose Binding Protein Tag / MBP-Tag (27-392) - Purified

Alternate names:	MMBP, Maltodextrin-binding protein, malE-Tag
Quantity:	1 mg
Concentration:	1.0 mg/ml
Background:	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.
Uniprot ID:	POAEX9
NCBI:	<u>AP_004535.1</u>
GenelD:	<u>948538</u>
Species:	E. coli
Source:	E. coli
Format:	State: Liquid purified peptide Purity: >95% by SDS PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0)
Description:	Recombinant MBP was expressed in E.coli and purified by conventional chromatography techniques. 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 FKGQPSKPFV GVLSAGINAA SPNKELAKEF LENYLLTDEG LEAVNKDKPL GAVALKSYEE ELAKDPRIAA TMENAQKGEI MPNIPQMSAF WYAVRTAVIN AASGRQTVDE ALKDAQT <u>NSS SNNNNNNNN NLGIEGR</u>
	Molecular weight: 42 kDa (387aa)
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Fox JD., et al. (2001). Protein Sci. 10(3): 622-30. 2. Riggs., et al. (2000). Mol. Biotechnol. 15: 51-63.

For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request.



Pictures:



15% SDS-PAGE(3µg)

For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request.