

Datasheet for ABIN5853266

MBP Protein (AA 1-197) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	MBP
Protein Characteristics:	AA 1-197
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This MBP protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MGSSHHHHHH SSSLVPRGSH MGSMGNHAGK RELNAEKAST NSETNRGESE KKRNLGELSR TTSEDNEVFG EADANQNNGT SSQDTAVTDS KRTADPKNAW QDAHPADPGS RPHLIRLFSR DAPGREDNTF KDRPSEDEL QTIQEDSAAT SESLDVMASQ KRPSQRHGSK YLATASTMDH ARHGFLPRHR DTGILDSIGR FFGGDRGAPK RSGGKVSSEE
Purity:	> 85 % by SDS - PAGE

Target Details

Target:	MBP
Alternative Name:	Myelin basic protein (MBP Products)
Background:	MBP is a major constituent of the myelin sheath of oligodendrocytes and Schwann cells in the nervous system. However, MBP-related transcripts are also present in the bone marrow and the

Target Details

immune system. These mRNAs arise from the long MBP gene (otherwise called 'Golli-MBP') that contains 3 additional exons located upstream of the classic MBP exons. Alternative splicing from the Golli and the MBP transcription start sites gives rise to 2 sets of MBP-related transcripts and gene products. The Golli mRNAs contain 3 exons unique to Golli-MBP, spliced in-frame to 1 or more MBP exons. They encode hybrid proteins that have N-terminal Golli aa sequence linked to MBP aa sequence. The second family of transcripts contain only MBP exons and produce the well characterized myelin basic proteins. This complex gene structure is conserved among species suggesting that the MBP transcription unit is an integral part of the Golli transcription unit and that this arrangement is important for the function and/or regulation of these genes. Recombinant human MBP protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Molecular Weight:	23.9 kDa (220aa) confirmed by MALDI-TOF
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NCBI Accession:	NP_001020271
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UniProt:	P02686
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Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
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Restrictions:	For Research Use only
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Handling

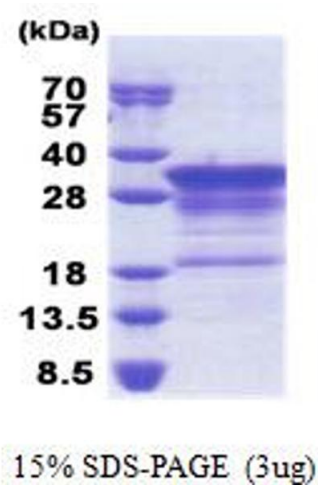
Format:	Liquid
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Concentration:	0.5 mg/mL
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Buffer:	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10 % glycerol,
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Storage:	4 °C,-20 °C,-80 °C
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Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
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SDS-PAGE
Image 1.