Datasheet for ABIN1047418

MBP Protein (AA 134-304, partial) (GST tag)

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1 Image

Overview

Quantity:	50 µg
Target:	MBP
Protein Characteristics:	AA 134-304, partial
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This MBP protein is labelled with GST tag.
Application:	ELISA

Product Details

Sequence:	MASQKRPSQR HGSKYLATAS TMDHARHGFL PRHRDTGILD SIGRFFGGDR GAPKRGSGKV PWLKPGRSPL PSHARSQPGL CNMYKDSHHP ARTAHYGSLP QKSHGRTQDE NPVVHFFKNI VTPRTPPPSQ GKGRGLSLSR FSWGAEGQRP GFGYGGRASD YKSAHKGFKG VDAQGTLSKI FKLGGRDSRS GSPMARR
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	90 %

Target Details

Target:	MBP
Alternative Name:	Myelin basic protein (MBP Products)

Target Details

Background:	The classic group of MBP isoforms (isoform 4-isoform 14) are with PLP the most abundant protein components of the myelin membrane in the CNS. They have a role in both its formation and stabilization. The smaller isoforms might have an important role in remyelination of denuded axons in multiple sclerosis. The non-classic group of MBP isoforms (isoform 1-isoform 3/Golli-MBPs) may preferentially have a role in the early developing brain long before myelination, maybe as components of transcriptional complexes, and may also be involved in signaling pathways in T-cells and neural cells. Differential splicing events combined with optional post-translational modifications give a wide spectrum of isomers, with each of them potentially having a specialized function. Induces T-cell proliferation.
Molecular Weight:	48.9 kD
UniProt:	P02686

Application Details

Comment:	The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modificated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Concentration:	0.2-2 mg/mL
Buffer:	Tris-based buffer, 50 % glycerol
Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week
Storage:	-20 °C

Handling

Storage Comment:	Store at -20 °C for extended storage, conserve at -20 °C or -80 °C

Images

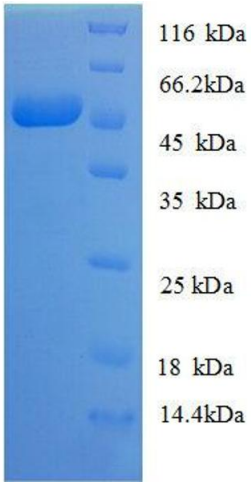

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Image 1. Myelin Basic Protein (MBP) (AA 134-304), (partial) protein (GST tag)