Recombinant Human Myelin Basic Protein, GST-tagged

Cat. No. MBP-1469H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length human MBP was expressed in*E. coli*cells using a N-terminal GST tag. MW = 36kDa.
Species	Human
Source	E.coli
Description	MBP or Myelin Basic Protein forms dimers across the cytoplasmic apposition during the formation of myelin. The region of the protein involved in folding, polymerization and substrate specificities is conserved in various species and it may have a specialized role in protein-lipid interactions in the myelin membrane. MBP is an efficient substrate for numerous protein kinases and share similarities with the MARCKS protein in terms of having extended conformations regulated by their environment, N-terminal modifications, a dual nature of interactions with lipids, and binding to actin and Ca2+-calmodulin.
Sequence	Full length.
Applications	Kinase Assay, Western Blot.
Storage And Stability	Store product at -70℃. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Full Length	Full L.

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GENE INFORMATION

Gene Name	MBP myelin basic protein [Homo sapiens]
Synonyms	MBP; myelin basic protein; MGC99675; Myelin A1 protein; Myelin membrane encephalitogenic protein; Golli-mbp; MGC99675; OTTHUMP00000174383; OTTHUMP00000174384; OTTHUMP00000174385; OTTHUMP00000174386; Myelin A1 protein; Myelin membrane encephalitogenic protein; myelin basic protein
Gene ID	4155
mRNA Refseq	NM_001025081
Protein Refseq	NP_001020252
MIM	159430
UniProt ID	P02686
Chromosome Location	18q23
Function	structural constituent of myelin sheath

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