Myelin basic protein (Mbp) Recombinant Protein | Mbp recombinant protein

Recombinant Mouse Myelin basic protein (Mbp)

CATALOG #	HOST
AAA113322	**E Coli or Yeast or Baculovirus or Mammalian Cell**

PRODUCT SYNONYMS

Myelin basic protein (Mbp); Recombinant Mouse Myelin basic protein (Mbp); Mbp recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-250aa; Full Length
Sequence	MGNHSGKREL SAEKASKDGE IHRGEAGKKR SVGKLSQTAS EDSDVFGEAD AIQNNGTSAE DTAVTDSKHT ADPKNNWQGA HPADPGNRPH LIRLFSRDAP GREDNTFKDR PSESDELQTI QEDPTAASGG LDVMASQKRP SQRSKYLATA STMDHARHGF LPRHRDTGIL DSIGRFFSGD RGAPKRGSGK DSHTRTTHYG SLPQKSQHGR TQDENPVVHF FKNIVTPRTP PPSQGKGGRD SRSGSPMARR
Species	Mouse
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

ADDITIONAL INFORMATION

Related Product Information for Mbp recombinant protein	The protein encoded by the classic MBP gene 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 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	69885018
NCBI GeneID	17196
NCBI Accession #	NP_001020416.1
NCBI GenBank Nucleotide #	NM_001025245.1
UniProt Accession #	P04370; Q01585; Q03139; Q03176; Q61836; Q61837; Q99KE4; Q9QWP1
Molecular Weight	12,963 Da
NCBI Official Full Name	Golli-Mbp isoform 2

NCBI Official Synonym Full Names	myelin basic protein
NCBI Official Symbol	Mbp
NCBI Official Synonym Symbols	jve; mld; shi; Hmbpr; C76307; R75289; golli-mbp
NCBI Protein Information	myelin basic protein; Golli-Mbp
UniProt Protein Name	Myelin basic protein
UniProt Gene Name	**Mbp**
UniProt Synonym Gene Names	Shi; MBP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://www.aaabiotech.com/mbp-recombinant-protein-e-coli/113322