

Pig Myelin basic protein

Cat. No. MBP-6948P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Pig Myelinbasic protein, was highly Purified from porcinebrain by method of Määttä et al.
Species	Pig
Source	Porcine Brain
Description	MBP is a peripheralmembrane protein, and its interaction with lipids is generally believed to becritical for the formation and stability of the multilamellar myelin sheath.It has been identified as a Ca ²⁺ -calmodulin regulated agent foractin polymerization, tropomyosin and actomyosin function, tubulinstabilization, and clathrin assembly. MBP is generally considered to be theantigen responsible for autoimmunity in multiple sclerosis (MS) and it has the capability to induce experimental allergic encephalomyelitis (EAE). MBPis also an endogenous inhibitor of the high-affinity cannabinoid binding sitein the brain and a substrate for numerous protein kinases (MAPK,serine/threonine kinase, protein kinase C). MBP is also suggested to beinvolved in intracellular signalling and as cytoskeletal components.
Appearance	White powder.
Purity	>95%(SDS-PAGE; Immunoblot)
Formulation	Lyophilized. Essentially salt-free
Reconstitution	Reconstitutewith distilled water

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Storage

Stable for at least 3 years when stored at +4°C. Reconstituted protein is stable for at least six months at -20°C and for at least 24 hours at +37°C in aqueous solution.

GENE INFORMATION

Gene Name MBP myelin basic protein [Suscrofa]

Official Symbol MBP

Synonyms MBP; myelin basic protein

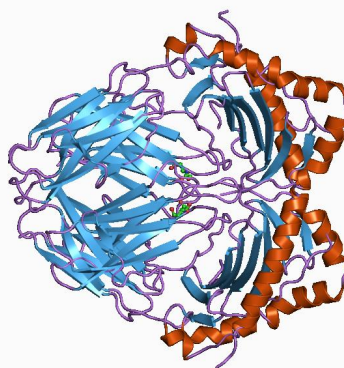
Gene ID 414286

mRNA Refseq NM_001001546

Protein Refseq NP_001001546

Chromosome Location 1; 1 80cM

Rendering of MBP from PDB 1BX2



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