

MBP [87-99] Peptide

Subcategory: Synthetic Peptide

Cat. No.: 350264

Unit: 1 mg

Description:

Myelin basic protein (MBP) is a major constituent of the myelin sheath of oligodendrocytes and Schwann cells in the nervous system. Numerous MBP isoforms are involved in myelin membrane formation and stabilization by interacting with the lipids in the myelin membrane. The major form of MBP is a protein of about 18.5 kDa (170 aa). MBP [87-99] Peptide is a major encephalitogenic epitope in MBP that induces T-cell proliferation with Th1 polarization in the CNS. This peptide is a major antigenic component implicated in the pathophysiology of multiple sclerosis.

Format: Each vial contains 1 mg of lyophilized solid packaged under an inert gas and supplied as a trifluoroacetate salt.

Alternate Names: Myelin basic protein; MBP; Myelin A1 protein; Myelin membrane encephalitogenic protein; MBP

Accession No.: P02686

MW: 1555.86 g/mol

Sequence: Human: H-Val-His-Phe-Phe-Lys-Asn-Ile-Val-Thr-Pro-Arg-Thr-Pro-OH or H-VHFFKNIVTPRTP-OH

Composition: C74H114N20O17

Purity: Purity > 95% by HPLC

Solubility: Distilled water for a solution up to 2 mg/ml, otherwise we recommend using acetonitrile.

Storage: Store at -20°C. The product is hygroscopic and must be protected from light. Product is guaranteed one year from the date of shipment. Following reconstitution, aliquot and store at -20°C.

Product Citations: Jones J et al. Brain. 2010. 133(8): 2232-2247. PMID# 20659956

For research use only, not for diagnostic or therapeutic procedures.