

**Myelin Basic Protein (87-99), human**  
**Synthetic Peptide**  
**Catalog # SP3213a****Specification**

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**Myelin Basic Protein (87-99), human - Product Information**Primary Accession  
Sequence[P02686](#)  
**NH2-VHFFKNIVTPRTP-COOH****Myelin Basic Protein (87-99), human - Additional Information****Gene ID** 4155**Other Names**

Myelin basic protein, MBP, Myelin A1 protein, Myelin membrane encephalitogenic protein, MBP

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**Myelin Basic Protein (87-99), human - Protein Information****Name** MBP**Function**

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.

**Cellular Location**

Myelin membrane; Peripheral membrane protein; Cytoplasmic side. Note=Cytoplasmic side of myelin

**Tissue Location**

MBP isoforms are found in both the central and the peripheral nervous system, whereas Golli-MBP isoforms are expressed in fetal thymus, spleen and spinal cord, as well as in cell lines derived from

the immune system.

**Myelin Basic Protein (87-99), human - Images**