

Native Swine MBP Protein

Cat. No. MBP-89S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Swine MBP was extracted under acidic conditions and further purified by cation chromatography from pig brain. This product is routinely evaluated using active MAP Kinase 3/ERK1.
Species	Pig
Source	Swine
Description	MBP exists as four major forms in the pig CNS with apparent molecular weights of 21.5K, 20.2K, 18.5K, and 17.3K. Native pig MBP is extracted under acidic conditions and further purified by cation chromatography. MBP is an efficient substrate for numerous protein kinases including ERK/MAP Kinase family, cAMP-dependent Protein Kinase, Calmodulin-dependent Protein Kinase, Protein Kinase C, and Phosphorylase Kinase.
Form	Native protein stored in 100mM MOPS, pH 6.5, 150mM NaCl, 0.25mM DTT and 0.1mM PMSF.
Molecular Mass	~21.5 kDa
Purity	≥90%
Applications	Kinase Assay, Western Blot
Storage	Store product at -20°C. For optimal storage, aliquot target into smaller quantities after

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centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

Concentration 1 ug/ul

GENE INFORMATION

Gene Name MBP myelin basic protein [*Sus scrofa*]

Official Symbol MBP

Synonyms myelin basic protein

Gene ID 414286

mRNA Refseq NM_001001546

Protein Refseq NP_001001546

Chromosome Location 1; 1 80 cM

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