MBP from porcine brain

Catalog Number SRP5204
Storage Temperature –20 °C

Synonym: Myelin Basic Protein

Product Description
MBP exists as four major forms in the pig CNS with apparent molecular masses of 21.5, 20.2, 18.5, and 17.3 kDa. Native porcine MBP is extracted under acidic conditions and further purified by cation chromatography. MBP is an efficient substrate for numerous protein kinases including the ERK/MAP Kinase family, cAMP-dependent Protein Kinase, Calmodulin-dependent Protein Kinase, Protein Kinase C, and Phosphorylase Kinase.

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. Native protein stored in 100 mM MOPS, pH 6.5, 150 mM NaCl, 0.25 mM DTT, and 0.1 mM PMSF.

Molecular mass: ~21.5 kDa
Purity: 70–95% (SDS-PAGE, see Figure 1)

Precautions and Disclaimer
This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/Stability
The product ships on dry ice and storage at –70 °C is recommended. After opening, aliquot into smaller quantities and store at –70 °C. Avoid repeated handling and multiple freeze/thaw cycles.

References

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