

Mouse MBP Protein

Cat. No. MBP-ME101

Description

Source	Recombinant Mouse MBP Protein is expressed from E.coli with His tag at the N-Terminus. It contains Met1-Arg250.
Accession	P04370
Molecular Weight	The protein has a predicted MW of 28.3 kDa. The protein migrates to 33-36 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 90% as determined by Bis-Tris PAGE

Formulation and Storage

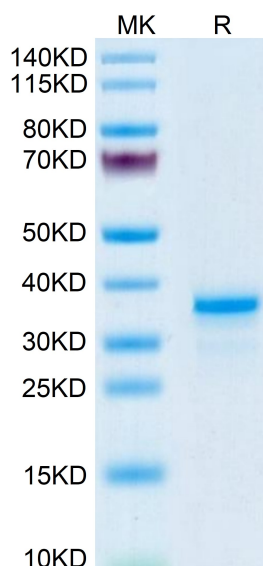
Formulation	Supplied as 0.22µm filtered solution in PBS, 1mM DTT (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Monobutyl phthalate (MBP) is a primary metabolite of an environmental endocrine disruptor dibutyl phthalate (DBP), which poses a potential threat to living organisms. MBP inhibits aerobic metabolism by inhibiting the key enzyme malate dehydrogenase (MDH) in the TCA cycle, forcing zebrafish to maintain ATP supply by enhancing anaerobic metabolism.

Assay Data

Bis-Tris PAGE



Mouse MBP on Bis-Tris PAGE under reduced condition. The purity is greater than 90%.