



Recombinant Mouse MBP Protein Product Manual

1. Product Basic Information

Product No.: REP07422

Protein Name: Myelin A1 Protein (MBP)

Aliases: Golli-MBP; myelin A1 protein; myelin basic protein; myelin membrane encephalitogenic protein

UniProt ID: P02686

UniProt Link: <https://www.uniprot.org/uniprotkb/P02686/entry>

Species Source: Mus musculus (Mouse)

Expression System: Yeast

Protein Length: Full Length (1-250aa)

Molecular Weight: 29.2 kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (1-250aa)

MGNHSGKRELSAEKASKDGEIHRGEAGKKRSVGKLSQTASESDVFGGEADAIQNN
G TSAEDTAVTDSKHTADPKNNWQGAHPADPGNRPHLIRLFSRDAPGREDNTFKDR
PSEDELQTIQEDPTAASGGLDVMASQKRPSQRSKYLATASTMDHARHGFLPRHR
DTGILDSIGRFFSGDRGAPKRGSGKDSHTRTTHYGSLPQKSQHGRTQDENPVVHF
FKNIVTPRTPPPSQGKGGRDSRSGSPMARR

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the



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protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Mouse MBP full length protein (1-250aa) expressed in Yeast. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. MBP, also known as Golli-MBP or myelin A1 protein or myelin basic protein, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.