

# Recombinant Human MBP protein, GST-tagged

**Cat. No.** MBP-30122H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human MBP (1-171 aa) protein, fused to GST tag, was expressed in E. coli.                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                  |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                 |
| <b>ProteinLength</b>    | Met1-Arg171                                                                                                                                                                                                                            |
| <b>Form</b>             | The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8.). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. |
| <b>AA Sequence</b>      | MASQKRPSQRHGSKYLATASTMDHARHGFLPRHRDTGILDSIGRFFGGDRGAPKR<br>GSGKDSHHPARTAHYGLPQKSHGRTQDENPVVHFFKNIVTPRTPPPSQGKGRGL<br>SLSRFSWGAEGQRPFGYGGGRASDYKSAHKGFGVDAQGTLSKIFKLGGDRDSRSG<br>SPMARR                                                 |
| <b>Purity</b>           | 75%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                               |
| <b>Stability</b>        | Store for up to 12 months at -20°C to -80°C as lyophilized powder.                                                                                                                                                                     |
| <b>Storage</b>          | Short-term storage: Store at 2-8°C for (1-2 weeks).<br>Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw           |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

cycles.

#### Reconstitution

Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.

Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

## GENE INFORMATION

#### Gene Name

MBP myelin basic protein [ Homo sapiens ]

#### Official Symbol

MBP

#### Synonyms

MBP; myelin basic protein; Golli-MBP; myelin basic protein; myelin A1 protein; myelin membrane encephalitogenic protein; MGC99675;

#### Gene ID

4155

#### mRNA Refseq

NM\_001025081

#### Protein Refseq

NP\_001020252

#### MIM

159430

#### UniProt ID

P02686

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