

## Recombinant Horse MB Protein, His-tagged

Cat. No. MB-1148H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Horse MB Protein (Met1-Gly154) with His tag was expressed in E. coli.
<b>Species</b>	Horse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Met1-Gly154
<b>Description</b>	This gene encodes a member of the globin superfamily and is predominantly expressed in skeletal and cardiac muscles. The encoded protein forms a monomeric globular haemoprotein that is primarily responsible for the storage and facilitated transfer of oxygen from the cell membrane to the mitochondria. This protein also plays a role in regulating physiological levels of nitric oxide. Multiple transcript variants encoding distinct isoforms exist for this gene.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 20.8 kDa; Accurate Molecular Mass: 21 kDa
<b>Purity</b>	> 90%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for

 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

48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

**Storage**

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

**Storage Buffer**

PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

**Reconstitution**

Reconstitute in PBS or others.

**GENE INFORMATION****Gene Name**

MB myoglobin [ *Equus caballus* (horse) ]

**Official Symbol**

MB

**Synonyms**

MB; myoglobin; myoglobin

**Gene ID**

100054434

**mRNA Refseq**

NM\_001164016

**Protein Refseq**

NP\_001157488

**UniProt ID**

P68082

 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