

## Recombinant Human MB protein

Cat. No. MB-159H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human MB protein was expressed in E.coli
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	153
<b>Description</b>	This gene encodes a member of the globin superfamily and is expressed in skeletal and cardiac muscles. The encoded protein is a haemoprotein contributing to intracellular oxygen storage and transcellular facilitated diffusion of oxygen. At least three alternatively spliced transcript variants encoding the same protein have been reported.
<b>Form</b>	Supplied as a 0.2µm filtered solution in 25 mM Tris-HCl, pH 8.0, with 50 % glycerol.
<b>Molecular Mass</b>	Approximately 17.1 kDa, a single non-glycosylated polypeptide chain containing 153 amino acids.
<b>AA Sequence</b>	GLSDGEWQLVLNVWGKVEADIPGHGQEV LIRLFKGH PETLEKFDKFKHLKSEDEMK ASEDLKKHGATVLTALGGILKKGHHEAEIKPLAQSHATKHKIPVKYLEFISECIIQVLQ SKHPGDFGADAQGAMNKALELFRKDMASNYKELGFQG
<b>Endotoxin</b>	Less than 1.0 EU/µg of rHuMyoglobin as determined by LAL method.

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**Purity** >95% by SDS-PAGE.

**Storage** Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 6 months from date of receipt, -20 to -70 centigrade as supplied. 3 months, -20 to -70 centigrade under sterile conditions after opening.

## GENE INFORMATION

**Gene Name** MB

**Official Symbol** MB

**Synonyms** MB; myoglobin; PVALB; MGC13548;

**Gene ID** 4151

**mRNA Refseq** NM\_005368

**Protein Refseq** NP\_005359

**MIM** 160000

**UniProt ID** P02144

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