

Recombinant Human MB protein

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

SPECIFICATION

Product Overview	Recombinant Human MB protein was expressed in E.coli
Species	Human
Source	E.coli
ProteinLength	153
Description	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.
Form	Supplied as a 0.2µm filtered solution in 25 mM Tris-HCl, pH 8.0, with 50 % glycerol.
Molecular Mass	Approximately 17.1 kDa, a single non-glycosylated polypeptide chain containing 153 amino acids.
AA Sequence	GLSDGEWQLVLNVWGKVEADIPGHGQEVLRIRLFKGHPEPTELEKFDKFKHLKSEDEMK ASEDLKKHGATVLTALGGILKKKGHHEAEIKPLAQSHATKHKIPVKYLEFISECIIQVLQ SKHPGDFGADAQGAMNKALELFRKDMASNYKELGFQG
Endotoxin	Less than 1.0 EU/µg of rHuMyoglobin as determined by LAL method.

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Purity	>95% by SDS-PAGE.
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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.
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GENE INFORMATION

Gene Name	MB
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Official Symbol	MB
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Synonyms	MB; myoglobin; PVALB; MGC13548;
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Gene ID	4151
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mRNA Refseq	NM_005368
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Protein Refseq	NP_005359
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MIM	160000
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UniProt ID	P02144
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