Recombinant Human MB Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MB-3090H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MB MS Standard C13 and N15-labeled recombinant protein (NP_976312) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	17.2 kDa
AA Sequence	MGLSDGEWQLVLNVWGKVEADIPGHGQEVLIRLFKGHPETLEKFDKFKHLKSEDEM KASEDLKKHGATVLTALGGILKKKGHHEAEIKPLAQSHATKHKIPVKYLEFISECIIQVL QSKHPGDFGADAQGAMNKALELFRKDMASNYKELGFQGTRTRPLEQKLISEEDLAA NDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling

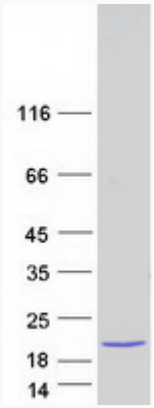
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	conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	MB myoglobin [Homo sapiens (human)]
Official Symbol	MB
Synonyms	MB; myoglobin; PVALB; myoglobin
Gene ID	4151
mRNA Refseq	NM_203378
Protein Refseq	NP_976312
MIM	160000
UniProt ID	P02144

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SDS-PAGE	

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