

Product datasheet for PH312352

Myoglobin (MB) (NM_005368) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	MB MS Standard C13 and N15-labeled recombinant protein (NP_005359)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC212352
Predicted MW:	17 kDa
Protein Sequence:	>RC212352 representing NM_005368 Red=Cloning site Green=Tags(s) MGLSDGEWQLVLNVWGKVEADIPGHGQEVLIIRLFKHPETLEKFDKFKHLKSEDEMKASEDLKKHGATVL TALGGILKKKGHHEAEIKPLAQSHATKHKIPVKYLEFISECIIQVLQSKHPGDFGADAQGAMNKALELFR KDMASNYKELGFQG TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_005359</u>
RefSeq Size:	1078
RefSeq ORF:	462
Synonyms:	PVALB
Locus ID:	4151
UniProt ID:	<u>P02144</u> , <u>A0A1K0FU49</u>

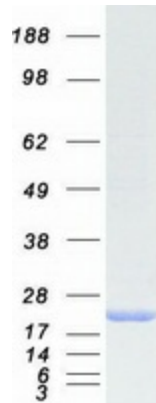


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Cytogenetics: 22q12.3

Summary: 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. [provided by RefSeq, May 2020]

Product images:



Coomassie blue staining of purified MB protein (Cat# [TP312352]). The protein was produced from HEK293T cells transfected with MB cDNA clone (Cat# [RC212352]) using MegaTran 2.0 (Cat# [TT210002]).