

## Product datasheet for TP312352

### Myoglobin (MB) (NM\_005368) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human myoglobin (MB), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	<p>&gt;RC212352 representing NM_005368</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MGLSDGEWQLVLNVWGKVEADIPGHGQEVLRFLKGFHPETLEKFDKFKHLKSEDEMKASEDLKKHGATVL          TALGGILKKKGHHEAEIKPLAQSHATKHKIPVKYLEFISECIIQVLQSKHPGDFGADAQGAMNKALELFR          KDMASNYKELGFQG</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	17 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_005359</a>
Locus ID:	4151
UniProt ID:	<a href="#">P02144</a> , <a href="#">A0A1K0FU49</a>
RefSeq Size:	1078


[View online »](#)

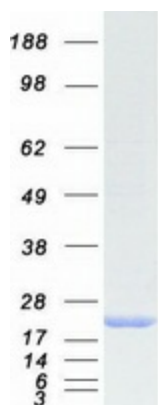
**Cytogenetics:** 22q12.3

**RefSeq ORF:** 462

**Synonyms:** PVALB

**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]).