

## Product datasheet for **TP303113**

### Myoglobin (MB) (NM\_203378) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human myoglobin (MB), transcript variant 3, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203113 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MGLSDGEWQLVLNVWGKVEADIPGHGQEVLRIRLFGKHPETLEKFDKFKHLKSEDEMKASEDLKKHGATVLTALGGILKKKGHHEAEIKPLAQSHATKHKIPVKYLEFISECIIQVLQSKHPGDFGADAQGAMNKALELFRKDMASNYKELGFQG
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
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_976312</a>
Locus ID:	4151
UniProt ID:	<a href="#">P02144</a> , <a href="#">A0A1K0FU49</a>
RefSeq Size:	1153



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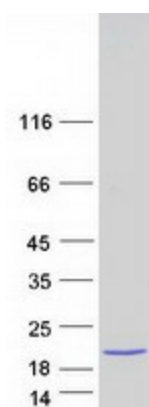
Cytogenetics: 22q12.3

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# TP303113). The protein was produced from HEK293T cells transfected with MB cDNA clone (Cat# [RC203113]) using MegaTran 2.0 (Cat# [TT210002]).