

Product datasheet for **TP303113L**

Myoglobin (MB) (NM_203378) Human Recombinant Protein

Product data:

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|---------------------------------------|--|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human myoglobin (MB), transcript variant 3, 1 mg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC203113 protein sequence Red =Cloning site Green =Tags(s) |
| | MGLSDGEWQLVLNVWGKVEADIPGHGQEVLRIRLFGKHPETLEKFDKFKHLKSEDEMKAEDLKKHGATVL TALGGILKKKGHHEAEIKPLAQSHATKHKIPVKYLEFISECIIQVLQSKHPGDFGADAQGAMNKALELFR KDMASNYKELGFQG TRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| 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: | NP_976312 |
| Locus ID: | 4151 |
| UniProt ID: | P02144 , A0A1K0FU49 |
| RefSeq Size: | 1153 |



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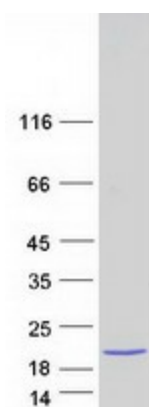
Cytogenetics: 22q12.3

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]).