

Full-Length

MB (Human) Recombinant Protein (P02)

Catalog # H00004151-P02

Size 50 ug

Specification

Product Description	Human MB full-length ORF (NP_005359.1, 1 a.a. - 154 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MGLSDGEWQLVLNVWGKVEADIPGHGQEVLRIRLFKGHPEKFDKFKHLKSEDEMKASEDLKK HGATVLTALGGILKKKGHHEAEIKPLAQSHATKHKIPVKYLEFISECIQVLQSKHPGDFGADAQGA MNKALELFRKDMASNYKELGFQG
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	43.6
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — MB

Entrez GeneID [4151](#)**GeneBank Accession#** [NM_005368.2](#)**Protein Accession#** [NP_005359.1](#)**Gene Name** MB**Gene Alias** MGC13548, PVALB**Gene Description** myoglobin**Omim ID** [160000](#)**Gene Ontology** [Hyperlink](#)

Gene Summary This gene encodes a member of the globin superfamily and is expressed in skeletal and cardiac muscles. The encoded protein is a haemoprotein contributing to intracellular oxygen storage and transcellular facilitated diffusion of oxygen. At least three alternatively spliced transcript variants encoding the same protein have been reported. [provided by RefSeq]

Other Designations -