**PRODUCT INFORMATION**

**Description:** Myoglobin contains an intracellular heme that facilitates the transport of molecular oxygen by combining with molecular oxygen to form oxymyoglobins. Measurement of myoglobin levels is useful in the diagnosis of skeletal and cardiac muscle damage. Sperm whale myoglobin is expressed in *E. coli*.

**Summary:** This gene encodes a member of the globin superfamily and is expressed in skeletal and cardiac muscles. The encoded protein is a haeoprotein 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.

**M. W.:** 17,180 Da

**Recombinant:** Expressed in *E. coli*

**Purity:** >95% as determined by SDS-PAGE.

**Storage buffer:** Liquid. In PBS Buffer.

**REFERENCES**


**GENE INFORMATION**

**Gene Name:** MB

**Synonyms:** MGC13548; PVALB; Myoglobin; myoglobin

**mRNA Refseq:** NM_005368.2

**Protein Refseq:** NP_005359.1

**MIM:** 160000

**GenelD:** 4151

**Uniprot ID:** P02144

**Function:** heme binding, iron ion binding, metal ion binding, oxygen binding, oxygen transporter activity.

**Process:** nuclelease erythrocyte differentiation, heart development, oxygen transport, response to hypoxia, transport.

**FOR RESEARCH USE ONLY**