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Datasheet for ABIN7319520

Myoglobin Protein (MB) (His tag)

Overview

Quantity:	50 µg
Target:	Myoglobin (MB)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Myoglobin protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Myoglobin/MB Protein (His Tag)
Sequence:	Met1-Gly154
Characteristics:	Recombinant Human Myoglobin is produced by our E.coli expression system and the target gene encoding Met1-Gly154 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	Myoglobin (MB)
Alternative Name:	Myoglobin/MB (MB Products)
Background:	Background: Myoglobin is a 17KDa cytoplasmic oxygen-binding protein encoded by the MB gene and expressed in myocytes of the heart and skeletal muscle. Its name derives from its structural and functional similarity to hemoglobin, the oxygen binding protein found in red blood

Target Details

cells. Functions of myoglobin include oxygen storage and transport, as well as scavenging of NO and reactive oxygen species. Myoglobin also serves as a sensitive marker for muscle injury resulting from cardiac infarction. Myoglobin was the first protein to have its three-dimensional structure determined by X-ray crystallography.

Synonym: MB, MGC13548, Myoglobin, PVALB

Molecular Weight: 18 kDa

UniProt: [P02144](#)

Pathways: [Brown Fat Cell Differentiation](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM Tris-HCl, 200 mM NaCl, 1 mM DTT, 20 % glycerol, pH 8.0.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.