

Product Name: Recombinant Human Myoglobin (C-6His)
Catalog #: PEH1913

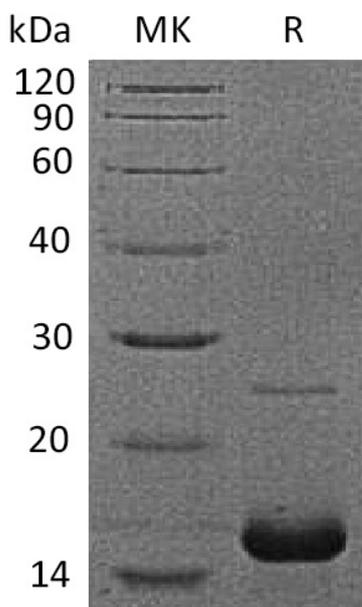


Summary

Name	Myoglobin/MB
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	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.
Accession #	P02144
Host	E.coli
Species	Human
Predicted Molecular Mass	18 KDa
Formulation	Supplied as a 0.2 μm filtered solution of PBS, 350mM NaCl, 5% Trehalose, 5% Mannitol, 0.02% Tween 80, 1mM EDTA, pH7.4.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image

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Alternative Names

MB; MGC13548; Myoglobin; PVALB

Background

Myoglobin (MB) is a cytoplasmic protein expressed in myocytes of the heart and skeletal muscle that reversibly binds oxygen. It belongs to the globin family. Functions of myoglobin include oxygen storage and transport, as well as scavenging of NO and reactive oxygen species. MB serves as a reserve supply of oxygen and facilitates the movement of oxygen within muscles. Myoglobin also serves as a sensitive marker for muscle injury resulting from cardiac infarction. Surprisingly, mice in which myoglobin has been removed by gene targeting are able to perform extensive exercise and respond normally to hypoxic challenge.

Note

For Research Use Only , Not for Diagnostic Use.