

Recombinant Human Myoglobin Protein

Catalog No.: RP03293LQ

Sequence Information

Species	Gene ID
Human	4151
Swiss Prot	Tags
P02144	C-His

Synonyms

Myoglobin; MB; MGC13548;
PVALB; MYOSB

Product Information

Source	Purification
E.coli	≥ 95 % as determined by SDS-PAGE.

Calculated MW Observed MW

18.01 kDa 15-20 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Supplied as a 0.22 μm filtered solution of PBS, 350 mM NaCl, 5% Trehalose, 5% Mannitol, 0.02% Tween 80, 1 mM EDTA, pH 7.4. Contact us for customized product form or formulation.

Reconstitution

Background

Myoglobin is an iron- and oxygen-binding protein found in the cardiac and skeletal muscle tissue of vertebrates in general and in almost all mammals. Myoglobin is distantly related to hemoglobin. Compared to hemoglobin, myoglobin has a higher affinity for oxygen and does not have cooperative binding with oxygen like hemoglobin does. High concentrations of myoglobin in muscle cells allow organisms to hold their breath for a longer period of time. Myoglobin is released from damaged muscle tissue. The released myoglobin enters the bloodstream, where high levels may indicate rhabdomyolysis. The myoglobin is filtered by the kidneys, but is toxic to the renal tubular epithelium and so may cause acute kidney injury.

Basic Information

Description

Recombinant Human Myoglobin Protein is produced by E.coli expression system. The target protein is expressed with sequence (Met1-Gly154) of human Myoglobin (Accession #P02144) fused with His tag at the C-terminus.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -70°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

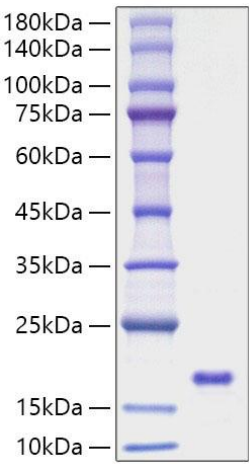
Contact

☎ | 400-999-6126

✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Validation Data



Recombinant Human Myoglobin Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.