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Myoglobin His Human

Catalog #:PRPS-078

For research use only.

Description:MB produced in E.Coli is a single, non-glycosylated polypeptide chain containing 174 amino acids (1-154a.a.) and having a molecular mass of 19.3kDa.MB is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Synonyms:PVALB, MGC13548.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered clear solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MGLSDGEWQL VLNVWGKVEA DIPGHGQEVL IRLFKGHPET LEKFDKFKHL KSEDEMKASE DLKKHGATVL TALGGILKKK GHHEAEIKPL AQSHATKHKI PVKYLEFISE CIIQVLQSKH PGDFGADAQG AMNKALELFR KDMASNYKEL GFQG

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:
The MB protein solution (1mg/1ml) is formulated in 20mM Tris-HCl buffer (pH8.0)1mM DTT, 100mM NaCl and 20% glycerol.

Usage:
NeoBiolabs products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drμgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
Myoglobin, mitochondrial precursor is a cytosolic oxygen-binding protein in charge of the storage and diffusion of oxygen within myocytes.The largest expression of MB is in the skeletal and cardiac muscle. MB operates in various functions in muscular oxygen supply, such as oxygen storage, facilitated diffusion, and myoglobin-mediated oxidative phosphorylation.

Storage:
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time.Please avoid freeze thaw cycles.

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