



MB, 1-154aa, Human, His tag, E.coli

Cat.NO.: TP02920

3th Edition

Synonyms:Myoglobin, PVALB

Description:Myoglobin, mitochondrial precursor, also known as MB, is a cytosolic oxygen-binding protein responsible for the storage and diffusion of oxygen within myocytes. Expression of myoglobin is highest in skeletal and cardiac muscle. MB may serve a variety of functions in muscular oxygen supply, such as oxygen storage, facilitated diffusion, and myoglobin-mediated oxidative phosphorylation.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT,10% glycerol, 100mM NaCl

Molecular Weight:19.3 kDa (174aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMGLSDGEWQLVLNVWGKVEADIPGHGQEVLRIRLFKGGHPETLEKFDKFKHLKSED
EMKASEDLKKHGATVLTALGGILKKKGHHEAEIKPLAQSHATKHKIPVKYLEFISECIIQVLQSKHPGDFGADAQGAM
NKALELFRKDMASNYKELGFQG

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.