

MYL6B, 1-208aa, Human, His tag, E.coli

Cat.NO.: TP03067

3th Edition

Synonyms:Myosin light chain 6B, MLC1SA.

Description:MYL6B is a heavy chain regulator found in smooth muscle and non-muscle Myosin complexes. Contractile activity in smooth muscle is regulated by the calcium/calmodulin-dependent phosphorylation of Myosin light chain by Myosin light chain kinase. MYL6B does not bind calcium during contraction. It is primarily found in a hexamer consisting of four light chains and two heavy chains.

Form:Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol, 2mM DTT.

Molecular Weight:25.2 kDa (231aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSMPPKDVVKKPAGPSISKPAAKPAAAGAPPAKTKAEPVAVPQAPQKTQEPP
VDLSKVVFIEFNKDQLEEFKEAFELFDRVGDGKILYSQCGDVMRALGQNPTNAEVLKVLGNPKSDELKSRRVDFETF
LPMLQAVAKNRGQGTIEDYLEGFRVFDKEGNGKVMGAELRHVLTTLGEKMTEEEVETVLAGHEDSNGCINYEAF
LKHILSV

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.