

MYL5, 1-132aa, Human, His tag, E.coli

Cat.NO.: TP03064

3th Edition

Synonyms:Myosin regulatory light chain 5, isoform 2.

Description:Myosin regulatory light chain 5, also known as MYL5, is a hexameric ATPase cellular motor protein. Myosin is composed of two heavy chains, two nonphosphorylatable alkali light chains, and two phosphorylatable regulatory light chains. MYL5 is a regulatory light chain and is expressed in fetal muscle and in adult retina, cerebellum, and basal ganglia.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 30% glycerol, 0.1M NaCl

Molecular Weight:17.4 kDa (156aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSHMDQNRDGFIDKEDLKDTYASLGKTNVKDDELDAAMLKEASGPINFMTMFLNLF
GEKLSGTDAEETILNAFKMLDPDGKKGKINKEYIKRLLMSQADKMTAAEEVDQMFQFASIDVAGNLDYKALSYVITHGE
EKEE

Purity:> 95% by HPLC

Concentration:0.5 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.