

MYL12A, 1-171aa, Human, His tag, E.coli

Cat.NO.: TP03060

3th Edition

Synonyms:Myosin regulatory light chain 12A, MLCB, MRCL3, MRLC3, MYL2B.

Description:MYL12A, also known as myosin regulatory light chain 12A, plays an important role in regulation of both smooth muscle and nonmuscle cell contractile activity via its phosphorylation. This protein implicated in cytokinesis, receptor capping, and cell locomotion. Recombinant human MYL12A protein, fused to His-tag at Nterminus, was expressed in E.coli and purified by using conventional chromatography.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 1mM DTT

Molecular Weight:22.4 kDa (195aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSHMSSKRTKTKTKKRPQRATSNVFAMFDQSQIQEFKEAFNMIDQNRDGFIDK
EDLHDMLASLGKNPTDEYLDAMMNEAPGPINFMTFLTMFGEKLNKGTDPEDVIRNAFACFDEEATGTIQEDYLRELLT
TMGDRFTDEEVDELYREAPIDKKGNFNYIEFTRILKHGAKDKDD

Purity:> 95% by HPLC

Concentration:0.25 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.