

Myl9, 1-172aa, Mouse, His tag, E.coli

Cat.NO.: TP03070

3th Edition

Synonyms:Myosin regulatory light polypeptide 9 , A1327049, MLC20, Mylc2c, RLC-C

Description:Myl9 also known as myosin regulatory light polypeptide 9 is one of the numerous regulatory myosin light chains. Regulatory myosin light chains regulate contraction in smooth muscle and non-muscle cells via phosphorylation by myosin light chain kinase (MLCK). Phosphorylation of regulatory myosin light chains is catalyzed by MLCK in the presence of calcium and calmodulin and it increases the actin-activated myosin ATPase activity, thereby regulates the contractile activity. Recombinant mouse Myl9 was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate buffered saline (pH7.4) containing 10% glycerol, 1mM DTT

Molecular Weight:22.4Da (196aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSHMSSKRAKAKTTKKRPQRATSNVFMFDQSQIQEFKEAFNMIDQNRDGFID
KEDLHDMLASLGKNPTDEYLEGMMNEAPGPINFTMFLTMFGEKLNGLDPELVIRNAFACFDEEASGFIHEDHLREL
LTTMGDRFTDEEVDEMYREAPIDKKGNFNYVEFTRILKHGAKDKDD

Purity:> 95% by HPLC

Concentration:0.5mg/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.