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MYL9, 1-172aa, Human, His tag, E.coli

产品货号: TP03069

第三版

别名: Myosin regulatory light polypeptide 9, LC20, MGC3505, MLC2, MRLC1, MYRL2

描述: MYL9, also known as MLC2, 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.

配方: Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.1M NaCl, 1mM DTT, 10% glycerol

分子量: 21.9 kDa (192aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHHSSGLVPRGSHMSSKRAKAKTTKKRPQRATSNVFMFDQSQIQEFKEAFNMIDQNRDGFIDKEDLHDML
ASLGKNPTDEYLEGMMSEAPGPINFTMFLTMFGEKLNKGTDPEDVIRNAFACFDEEASGFIHEDHLRELLTTMGDRFTDEEV
DEMYREAPIDKKGNFNHYVEFTRILKHGAKDKDD

纯度: > 95% by HPLC

浓度: 0.5 mg/ml (determined by Bradford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 °C 保存 (1-2 周). 长期保存在 -20 °C 或者 -70 °C. 避免反复冻融.