

本公司提供的电子版说明书仅供参考，实验请以收到的纸质手册为准。

MYLPF, 1-169aa, Human, His tag, E.coli

产品货号: TP03071

第三版

**别名:** Myosin regulatory light chain 2, skeletal muscle isoform, MRLC2, MYL11, Fast skeletal myosin light chain 2, MLC2B

**描述:** Myosin regulatory light chains, including MRCL3, MYLPF and MYL9, regulate contraction in smooth muscle and non-muscle cells via phosphorylation by myosin light chain kinase (MLCK). Phosphorylation of myosin regulatory light chains, catalyzed by MLCK in the presence of calcium and calmodulin, increases the actin-activated myosin ATPase activity, thereby regulating the contractile activity. MYLPF is critically important for fast and slow skeletal muscle development.

**配方:** Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 100mM NaCl

**分子量:** 21.2kDa (189aa), confirmed by MALDI-TOF

**序列:**

MGSSHHHHHHSSGLVPRGSHMAPKRAKRRTVEGGSSSVFSMFDQTQIQEFKEAFTVIDQNRDGIIDKEDLRDTFAAMGR  
LNVKNEELDAMMKEASGPINFTVFLTMFGEKLGADPEDVITGAFKVLDPGKGTIKKKFLELLTTQCDRFSQEEIKNM  
WAAFPDVGGNVDYKNICYVITHGDAKDQE

**纯度:** > 95% by HPLC

**浓度:** 0.25mg/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.