

本公司提供的电子版本说明书仅供参考，实验请以收到的纸质手册为准。

TPM4, 1-248aa, Human, His tag, E.coli

产品货号: TP04287

第三版

别名:Tropomyosin alpha-4 chain, Tropomyosin 4

描述:TPM4 belongs to the tropomyosin family. Tropomyosins are present in virtually all eukaryotic cells (both muscle and nonmuscle), where they bind actin filaments and function to modulate actin-myosin interaction and stabilize actin filament structure. TPM4 binds to actin filaments in muscle and nonmuscle cells and plays a central role, in association with the troponin complex, in the calcium dependent regulation of vertebrate striated muscle contraction. Smooth muscle contraction is regulated by interaction with caldesmon. Recombinant human TPM4 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方:Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol, 2mM DTT, 0.1M NaCl.

分子量:30.7 kDa (268aa), confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMAGLNSLEAVKRKIQALQQQADEAEDRAQGLQRELDGERERREKAEGDVAALNRRIQLV
VEEELDRAQERLATALQKLEEAEEKAADSESRGMKVIENRAMKDEEKMEIQEMQLKEAKHIAEEADRKYEEVARKLVILEG
ELERAEEAEVSELKCGDLEEEELKNVTNNLKSLEAASEKYSEKEDKYEEEIKLLSDKLKEAETRAEFAERTVAKLEKTIDDL
EEKLAQAKEENVGLHQTLTDLNQLNLCI

纯度:> 95% by HPLC

浓度:1 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.