

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。

TPM1, 1-284aa, Human, His tag, E.coli

产品货号: TP04284

第三版

别名:TPM1, CMD1Y, HTM-alpha, TMSA, Tropomyosin-1, Alpha-tropomyosin, Tropomyosin alpha-1 chain

**描述:**TPM1 is a member of the tropomyosin family of highly conserved, widely distributed actin-binding proteins involved in the contractile system of striated and smooth muscles and the cytoskeleton of non-muscle cells. Tropomyosin is composed of two alpha-helical chains arranged as a coiled-coil. It is polymerized end to end along the two grooves of actin filaments and provides stability to the filaments. TPM1 is one type of alpha helical chain that forms the predominant tropomyosin of striated muscle, where it also functions in association with the troponin complex to regulate the calcium-dependent interaction of actin and myosin during muscle contraction. Recombinant human TPM1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

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

**分子量:**35.0 kDa (304aa), confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher))

**序列:**

MGSSHHHHHSSGLVPRGSHMDAIKKKMQMLKLDKENALDRAEQAEADKKAEDRSKQLEDELVSLQKCLKGTEDEL  
DKYSEALKDAQEKLELAEKKATDAEADVASLNRRRIQLVEEELDRAQERLATALQKLEEAKEKADESERGMKVIESRAQKDE  
EKMEIQEIQLKEAKHIAEDADRKYEEVARKLVIIESDLERAEEAELSEGQVRQLEEQLRIMDQTLKALMAAEDKYSQKEDR  
YEEIIVLSDKLKEAETRAEFAERSVTKLEKSIDDLEDELYAQKLKYKAISEELDHALNDMTSM

**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.