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TPM3, 1-248aa, Human, His tag, E.coli

产品货号: TP04286

第三版

别名:Tropomyosin alpha-3 chain, hscp30, NEM1, OK/SW-cl.5, TM-5, TM3, TM30 TM30nm, TPMsk, TRK

描述:Tropomyosin alpha-3 chain, also known as TPM3, is member of the tropomyosin family of actin-binding proteins involved in the contractile system of striated and smooth muscles and the cytoskeleton of non-muscle cells. Tropomyosins are dimers of coiled-coil proteins that polymerize end-to-end along the major groove in most actin filaments. They provide stability to the filaments and regulate access of other actin-binding proteins. Mutations in this gene result in autosomal dominant nemaline myopathy, and oncogenes formed by chromosomal translocations involving this locus are associated with cancer. Recombinant human TPM3 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 1mM DTT, 10% glycerol, 0.1M NaCl

分子量:31.6 kDa (272aa), confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMGSHMAGITTIEAVKRKIQVLQQQADDAEERAERLQREVEGERRAREQAEAEVASLNR  
RIQLVEEELDRAQERLATALQKLEEAKEAADESERGMKVIENRALKDDEKMELQEIQLKEAKHIAEEADRKYEEVARKLVII  
EGDLERTEERAELAESRCREMDEQIRLMDQNLKCLSAAEEKYSQKEDKYEIEIKILTDKLKEAETRAEFAERSVAKLEKTIDD  
LEDKCLKCTKEEHLCTQRMLDQTLDDL NEM

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.