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TNNC1, 1-161aa, Human, His tag, E.coli

产品货号: TP04269

第三版

别名: Troponin C type 1, CMD1Z, CMH13, TN-C, TNC, TNNC

描述: Troponin C type 1, also known as TNNC1, is a member of troponins family. Troponin has 3 subunits, Troponin I(Tn-I), Troponin T(Tn-T) and Troponin C(Tn-C). Tn-I subunit inhibits actomyosin ATPase and Tn-T subunit binds tropomyosin and Tn-C, while Tn-C subunit binds calcium and overcomes the inhibitory action of the troponin complex on actin filaments. TNNC1 is dumbbell-shaped and has a hydrophobic pocket that increases the contractile force of muscle fibers. Recombinant human TNNC1 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: 20.5 kDa (181aa), confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMDDIYKAAVEQLTEEQKNEFKAAFDIFVLGAEDGCISTKELGKVMRMLGQNPTPEELQE
MIDEVDEDGSGTVDFDFEFLVMMVRCMKDDSKGKSEEELSDLFRMFDPKADGYIDLDELKIMLQATGETITEDDIEELMK
DGDKNNDGRIDYDEFLEFMKGVE

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.