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Troponin C 1-160aa, Human, Recombinant, E.coli

产品货号: TP04312

第三版

别名:Troponin C, skeletal muscle, TNNC2, Troponin C, skeletal muscle TNNC1, Cardiac troponin C, TNNC, Troponin C1 slow, Fast skeletal muscle troponin C, Skeletal troponin C, Troponin C type 1 (slow)

描述:Troponin C, skeletal muscle, also known as TNNC2, is the central regulatory protein of striated muscle contraction, and modulates the Ca²⁺-activation characteristics of muscle fibers. Troponin has 3 subunits, Troponin I(Tn-1), 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. Mutations in all components of this complex have been associated with skeletal muscle disease. Recombinant human Troponin C was expressed in E.coli and purified by using conventional chromatography.

配方:Liquid. In 20 mM Tris-HCl buffer (pH 7.5) containing 1mM DTT, 100mM NaCl, 10% glycerol.

分子量:18.1 kDa (160aa), confirmed by MALDI-TOF.

序列:

MTDQQAEARSYLSEEMIAEFKAAFDMFDADGGGDISVKELGTVMRMLGQTPTKEELDAIIIEEVDEDGSGTIDFEEFLVMM
VRQMKEDAKGKSEEELAECFRIFDRNADGYIDPEELAEIFRASGEHVTDEEIESLMKDGDKNNDGRIDFDFLKMMEGVQ

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.