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Troponin T, 1-285 aa, Human, His-tagged, Recombinant, E.coli

产品货号: TP04313

第三版

别名: Troponin T type 2, cardiac isoform 3, CMH2, CMPD2, cTnT, RCM3, TnTC, Troponin T type 2, cardiac isoform 3 Cardiac muscle troponin T, MGC3889, TNNT 2, TNNT2, Cardiomyopathy hypertrophic 2

描述: Troponin T, also known as TNNT2, is the tropomyosin-binding subunit of the troponin complex, which is located on the thin filament of striated muscles and regulates muscle contraction in response to alterations in intracellular calcium ion concentration. Mutations in this gene have been associated with familial hypertrophic cardiomyopathy as well as with restrictive and dilated cardiomyopathy. Recombinant human TNNT2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

配方: Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 50% glycerol, 0.5M NaCl, 0.1mM PMSF, 1mM DTT, 100mM imidazole.

分子量: 36.4 kDa (305aa), confirmed by MALDI-TOF.

序列:

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MGSSHHHHHSSGLVPRGSHMSDIEEVVEEYEEEEQEEAAVEEQEEAAEEDAEAEAETEETRAEEDEEEEEAKEAEDGPM  
EESKPKPRSFMPNLVPPKIPDGERVDFDDIHRKRMEKDLNELQALIEAHFENRKKEEELVSLKDRIERRAERAQQRIRNE  
REKERQNLAEERARREEENRRKAEDEARKKKALSMMHFGGYIQKTERKSGKRQTEREKKKKILAERRKVLAIDHLNE  
DQLREKAKELWQSIYNLEAEKFDLQEKFQKQKYEINVLRNRINDNQKVSCTRKGKAKVTGRWK
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纯度: > 95% by HPLC

浓度: 0.25 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.