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32-5134: Recombinant Human Cardiac Troponin-C(Discontinued)

Alternative Name : Troponin C slow skeletal and cardiac muscles,TN-C,TNNC1,TNNC,TNC,CMD1Z.

Description

Source : Escherichia Coli. Recombinant Human TNC produced in E.Coli is a single, non-glycosylated, polypeptide chain having a molecular mass of 18,020 Dalton.The TNC is purified by proprietary chromatographic techniques. Troponin is a fundamental regulatory protein of striated muscle contraction, and together with tropomyosin, is positioned on the actin filament. Troponin has 3 subunits: TnI- the inhibitor of actomyosin ATPase; TnT- contains the binding site for tropomyosin; and TnC- the protein encoded by the TNNC1 gene. The binding of calcium to TnC stops the inhibitory action of TnI, consequently allowing the interaction of actin with myosin, the hydrolysis of ATP, and the generation of tension. Mutations in the TNNC1 gene are linked to cardiomyopathy dilated type 1Z.

Product Info

Amount :	100 µg
Purification :	Greater than 95.0% as determined by both:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	The protein solution contains 150mM NaCl, 10mM sodium phosphate, 0.05% NaN3, pH 7.0.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.