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32-5133: Recombinant Single Chain Cardiac Troponin I-C 2nd generation

Alternative Name :	Troponin I cardiac muscle,Cardiac troponin I,TNNI3,TNNC1,CMH7,RCM1,cTnI,CMD2A,MGC116817,Troponin C slow skeletal and cardiac muscles,TN-C,TNNC1,TNNC,TNC,CMD1Z.

Description

Source : Escherichia Coli. Recombinant Single Chain Cardiac Troponin I-C 2nd generation produced in E.Coli is a single, non-glycosylated, polypeptide chain (aa28-110-Linker-cTnC), having a molecular weight of 30kDa.1mg of scIC2 is equivalent to 0.82mg of full length human cardiac TNI on a molar basis.The scIC2 is purified by proprietary chromatographic techniques. Troponin Complex is a heteromeric protein playing an important role in the regulation of skeletal and cardiac muscle contraction. It consists of three subunits, Troponin I, Troponin T and TroponinC. Each subunit is responsible for part of Troponin Complex function. E.g. Troponin I inhibits ATP-ase activity of acto-myosin.Troponin T and Troponin Iare presented in cardiac muscles in different forms than in skeletal muscles. Purified subunits of rcTnI, rcTnC and rcTnT are recomplexed in vitro under appropriate conditions.

Product Info

Amount :	10 µg
Purification :	Greater than 91.0% as determined by SDS-PAGE.
Content :	The protein solution contains 20mM Tris-HCl, 250mM NaCl and 50% glycerol, pH 7.5.
Storage condition :	scIC2 although stable at 10°C for 7 days, should be stored below -18°C. Please prevent freeze-thaw cycles.