

TNNI3 + TNNC1

Recombinant Single Chain Cardiac Troponin I-C

Catalog No.	CRT163A CRT163B CRT163C	Quantity:	2 µg 10 µg 1.0 mg
Alternate Names:	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:	<p>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 Troponin C. Each subunit is responsible for part of Troponin Complex function. For example, Troponin I inhibits ATP-ase activity of acto-myosin. Troponin T and Troponin I are present in cardiac muscle in different forms than in skeletal muscle. Purified subunits of recombinant Troponin I, Troponin C, and Troponin T are recomplexed <i>in vitro</i> under appropriate conditions.</p> <p>Recombinant Single Chain Cardiac Troponin I-C is a single, non-glycosylated polypeptide chain having a molecular mass of 45 kDa. The single chain Troponin I-C is purified by proprietary chromatographic techniques.</p>		
Physical Appearance:	Sterile Filtered colorless liquid formulation.		
GeneID:	7137, 7134		
Source:	<i>E. coli</i>		
Molecular Mass:	45 kDa		
Formulation:	Each mg/ml of protein contains 50% glycerol.		
Purity:	> 85.0% as determined by RP-HPLC and SDS-PAGE.		
Applications:	Immunoassays and Western blot.		
Storage & Stability:	Single Chain Cardiac Troponin I-C should be stored desiccated below -18°C. Avoid repeated freeze-thaw cycles.		

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