

TNNC1, TNNI3, TNNT2

Recombinant Human Cardiac Troponin C-I-T Complex

Catalog No.	CRT130A CRT130B CRT130C	Quantity:	2 µg 10 µg 100 µg
Alternate Names:	Troponin C, slow skeletal and cardiac muscles, TN-C, Troponin I, cardiac muscle, Cardiac troponin I, Troponin T, cardiac muscle, TnTc, Cardiac muscle troponin T, cTnT		
Description:	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. E.g. Troponin I inhibits ATP-ase activity of acto-myosin. Troponin T and Troponin I are presented in cardiac muscles in different forms than in skeletal muscles. Purified subunits of rcTnI, rcTnC and rcTnT are recomplexed <i>in vitro</i> under appropriate conditions, with a 1:1:1 molar ratio.		
Concentration:	50 µg/ml		
Uniprot ID:	P63316, P19429, P45379		
Source:	<i>E. coli</i> (without tags)		
Molecular Weight:	approximately 90 kDa		
Formulation:	Sterile-filtered 500 mM NaCl, 20 mM Tris-HCl, 4 mM CaCl ₂ , 4 mM MgCl ₂ , 60 mM 2-mercaptoethanol, pH 7.5		
Purity:	> 90% as determined by SDS-PAGE analysis (Coomassie)		
Applications:	Western Blot Immunoassays		
Storage & Stability:	Store at 2-8°C up to 2 weeks. For longer term, store aliquots at -20°C to -80°C. Avoid repeated freeze-thaw cycles.		

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