

DATA SHEET

Recombinant Human Cardiac Troponin C-I-T Complex Troponin IC Human

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Synonyms	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>Recombinant Human Cardiac Troponin C-I-T complex produced in E.Coli is a single, non-glycosylated, polypeptide chain having the Molar ratio on cTnC to cTnI to cTnT of 1:1:1. Mw is approximately 90kDa.</p> <p>The Cardiac Troponin C-I-T complex is purified by proprietary chromatographic techniques.</p>
Source	Escherichia Coli.
Physical Appearance	Sterile Filtered colorless liquid formulation.
Formulation	Human Cardiac Troponin C-I-T complex solution (50µg/ml) contains 500 mM NaCl, 20mM Tris-HCl, 4mM CaCl ₂ , 4mM MgCl ₂ and 60 mM B-mercaptoethanol, pH 7.5.
Stability	<p>Store at 4°C if entire vial will be used within 2-4 weeks.</p> <p>Store, frozen at -20°C for longer periods of time.</p> <p>For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).</p> <p>Avoid multiple freeze-thaw cycles.</p>
Purity	Greater than 90.0% as determined by SDS-PAGE.