

Cardiac Troponin-C His Human Recombinant

Item Number	rAP-2964
Synonyms	Troponin C slow skeletal and cardiac muscles, TN-C, TNNC1, TNNC, TNC, CMD1Z.
Description	Troponin-C His Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 181 amino acids (1-161) and having a molecular mass of 20.5 kDa. Intein is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	P63316
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MDDIYKAAVE QLTEEQNEF KAAFDIFVLG AEDGCISTKE LGKVMRM-LGQ NPTPEELQEM IDEVDEDGSG TVDFDEFLVM MVRCKMDDSK GKSEEELSDL FRMFDKNADG YIDLDELKIM LQATGETITE DDIEELMKDG DKNNDGRIDY DEFLEFMKGV E
Source	E.coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. 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.
Formulation and Purity	The Troponin-C solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 0.1M NaCl and 10% glycerol. Greater than 95% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**