Single Chain Cardiac Troponin I-C 2nd generation Recombinant Protein

Recombinant Single Chain Cardiac Troponin I-C 2nd generation

CATALOG #	APPLICATIONS
AAA38445	**Western Blot**

PRODUCT SYNONYMS

Single Chain Cardiac Troponin I-C 2nd generation; Recombinant Single Chain Cardiac Troponin I-C 2nd generation; Troponin I cardiac muscle; Cardiac troponin I; TNNI3; TNNC1; CMH7; RCM1; cTnI; CMD2A; MGC116817; Troponin C slow skeletal and cardiac muscles; TN-C; TNNC; TNC; CMD1Z; Single Chain Cardiac Troponin I-C 2nd generation recombinant protein

PRODUCT SPECIFICATIONS

Purity/Purification	Greater than 91.0% as determined by SDS-PAGE.
Form/Format	The protein solution contains 20mM Tris-HCl, 250mM NaCl and 50% glycerol, pH 7.5.
Concentration	1.04mg/ml (varies by lot)
Applicable Applications for Single Chain Cardiac Troponin I-C 2nd generation recombinant protein	WB (Western Blot), IA (Immunoassay)
Source	E Coli
Physical Appearance	Sterile Filtered colorless liquid formualtion (1.04 mg/ml)
Preparation and Storage	scIC2 although stable at 10 degree C for 7 days, should be stored below -18 degree C. Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for Single Chain Cardiac Troponin I-C 2nd generation recombinant protein	**Description:** 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. **Introduction:** 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 Categories/Family for Single Chain Cardiac Troponin I-C 2nd generation recombinant protein	Recombinant & Natural Proteins; Recombinant Proteins; Cardiac Troponin

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/single-chain-cardiac-troponin-i-c-2nd-generation-recombinant-protein-wb-western-blot-ia-immunoassay/38445