



Product Datasheet

Product Name	Single Chain Cardiac Troponin I-C 2nd generation Recombinant
Cata No	CB500967
Source	<i>Escherichia Coli.</i>
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

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 *in vitro* under appropriate conditions.

Recombinant Single Chain Cardiac Troponin I-C 2nd generation produced in E.Coli is a single, non-glycosylated, polypeptide chain. The sclC2 is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile Filtered colourless liquid formulation.

Purity

Greater than 85.0% as determined by:
(a) Analysis by RP-HPLC.
(b) Analysis by SDS-PAGE.

Formulation

Each mg/ml of protein contains 50% glycerol.

Stability

sclC2 although stable at 10°C for 7 days, should be stored desiccated below -18°C.

Please prevent freeze-thaw cycles.

Applications

Immunoassays and western blot.