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scIC2

Single Chain Cardiac Troponin I-C 2nd generation Recombinant RCP2000

Product Overview

Name	scIC2

Description

Single Chain Cardiac Troponin I-C 2nd generation Recombinant

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.

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.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered colourless liquid formualtion.

Formulation

The protein solution contains 20mM Tris-HCl, 250mM NaCl and 50% glycerol, pH 7.5.

Stability

scIC2 although stable at 10°C for 7 days, should be stored below -18°C. Please prevent freeze-thaw cycles.

Purity

Greater than 91.0% as determined by SDS-PAGE.

Precautions

scIC2 is for research use only and not for use in diagnostic or therapeutic procedures.