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Troponin C-I Human

Cardiac Troponin C-I Complex Human Recombinant
RCP2443

Product Overview

Name	Troponin C-I Human

Description

Cardiac Troponin C-I Complex Human 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

Human Cardiac Troponin C-I complex solution contains 500 mM Nacl, 20mM Tris-HCl and 60 mM B-mercaptoethanol, pH 7.5.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Avoid multiple freeze-thaw cycles.

Purity

Greater than 90.0% as determined by Analysis by SDS-PAGE.

Precautions

Troponin C-I Human is for research use only and not for use in diagnostic or therapeutic procedures.