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Troponin C-I-T Complex

Cardiac Troponin C-I-T Complex Human
RCP2444

Product Overview

Name	Troponin C-I-T Complex

Description

Cardiac Troponin C-I-T Complex Human

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 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.

Source

Human cardiac tissue.

Physical Appearance

Sterile Filtered brown solution.

Formulation

Troponin C-I-T Complex solution (0.2 µm filtered) contains 25mM TRIS buffer, 0.15M NaCl, 0.09% sodium azide, 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. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Human Virus Test

Starting material donor has been tested and certified negative for antibodies to HIV-1, HIV-2, HCV, HBSAG, Syphilis and HIV/HBV/HCV.

Precautions

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

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