9051 Mira Mesa Blvd, #910094
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TNNI1 Human

Troponin I Type 1 Human Recombinant
RCP2396

Product Overview

Name	TNNI1 Human

Description

Troponin I Type 1 Human Recombinant

Accession (Primary)	P19237

Synonyms

DKFZp451O223, SSTNI, TNN1, Troponin I, slow skeletal muscle ,Troponin I, slow-twitch isoform.

Introduction

Troponin I, (TNNI1) is a member of the troponin I family. Troponin complex has 3 subunits, TNNI1 known as the inhibitory Subunit which prevents the actin-myosin interactions and thus mediating striated muscle relaxation. TNNI1 combines with tropomyosin and regulates calcium sensitivity of striated muscles by structural modifications in actin-myosin complexes.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered clear solution.

Formulation

TNNI1 protein solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M urea and 10% glycerol.

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.

Purity

Greater than 90.0% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MPEVERKPKI TASRKLLLKS LMLAKAKECW EQEHEEREAE KVRYLAERIP TLQTRGLSLS ALQDLCRELH AKVEVVDEER YDIEAKCLHN TREIKDLKLK VMDLRGKFKR PPLRRVRVSA DAMLRALLGS KHKVSMDLRA NLKSVKKEDT EKERPVEVGD WRKNVEAMSG MEGRKKMFDA AKSPTSQ

Precautions

TNNI1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

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Target Information: (P19237)