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Datasheet for ABIN934436

Troponin I Protein (TNNI)

Overview

Quantity: 100 µg

Target: Troponin I (TNNI)

Origin: Rabbit

Source: Rabbit

Protein Type: Native

Product Details

Characteristics: Purified native Rabbit Troponin I protein (Cardiac)

Protein Source: Cardiac Tissue

Purification: Affinity chromatography

Purity: > 90 % pure

Target Details

Target: Troponin I (TNNI)

Alternative Name: Troponin I ([TNNI Products](#))

Background: Troponin I is a part of the troponin complex. It binds to actin in thin myofilaments to hold the actin-tropomyosin complex in place. Because of it myosin cannot bind actin in relaxed muscle. When calcium binds to the Troponin C it causes conformational changes which lead to dislocation of troponin I and finally tropomyosin leaves the binding site for myosin on actin leading to contraction of muscle.

Description: Cardiac Tissue.

Alternative Names: Troponin I protein, cTnI protein, Cardiac-specific troponin I protein, TnI

Target Details

protein

Molecular Weight: 22-24 kDa

Application Details

Application Notes: Each Investigator should determine their own optimal working dilution for specific applications.

Restrictions: For Research Use only

Handling

Concentration: 0.25-2.0 mg/mL

Buffer: Supplied in 8 M Urea, 50 mM Tris.HCl, 5 mM beta-mercaptoethanol, 2 mM EDTA, 0.5 mM CaCl₂, pH 7.4.

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: -20 °C

Storage Comment: Store at -25 °C or below.