

Datasheet for ABIN934434
Troponin I Protein (TNNI)



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Troponin I (TNNI)
Origin:	Rat
Source:	Rat
Protein Type:	Native

Product Details

Characteristics:	Purified native Rat 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:	<p>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.</p> <p>Description: Cardiac Tissue.</p> <p>Alternative Names: TnI protein, cTnI protein, Cardiac-specific troponin I protein, Troponin I</p>

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.