

Datasheet for ABIN934444
Troponin I Protein (TNNI)



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Overview

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

Product Details

Characteristics:	Purified native Sheep Troponin I protein (Skeletal Muscle) Protein Source: Skeletal Muscle
Purification:	Affinity chromatography
Purity:	> 95 % 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: Skeletal Muscle.

Alternative Names: Troponin I protein, TnI protein, Skeletal-specific troponin I protein, sTnI

Target Details

protein, Skeletal Muscle Troponin I protein

Molecular Weight: 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, 100 mM NaCl, 50 mM Tris.HCl, 1 mM EDTA, 15 mM beta-mercaptoethanol, pH 7.7.

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: -20 °C

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