

Datasheet for ABIN934445  
**Troponin I Protein (TNNI)**



[Go to Product page](#)

## Overview

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

## Product Details

Characteristics:	Purified native Chicken 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 ( <a href="#">TNNI Products</a> )

**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, Skeletal Muscle Troponin I protein, TnI protein, Skeletal-

## Target Details

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specific troponin I protein, sTnI protein

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Molecular Weight: 22 kDa

## Application Details

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

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Restrictions: For Research Use only

## Handling

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Concentration: 0.25-2.0 mg/mL

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Buffer: Supplied in 8 M Urea, 100 mM NaCl, 50 mM Tris.HCl, 1 mM EDTA, 15 mM beta-mercaptoethanol, pH 7.8.

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Handling Advice: Avoid repeated freeze/thaw cycles.

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Storage: -20 °C

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