

Datasheet for ABIN934731

**Troponin I Protein (TNNI)**[Go to Product page](#)**1** Publication

## Overview

Quantity:	100 µg
Target:	Troponin I (TNNI)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

## Product Details

Characteristics:	Purified Recombinant Human Troponin I protein (Cardiac) Expression System: E.coli
Purity:	> 98 % pure

## Target Details

Target:	Troponin I (TNNI)
Alternative Name:	Troponin I ( <a href="#">TNNI Products</a> )
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. The letter I is given due to its inhibitory character.</p> <p>Description: E.coli.</p>
Molecular Weight:	24 kDa

## Application Details

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Application Notes:	Each Investigator should determine their own optimal working dilution for specific applications.
Restrictions:	For Research Use only

## Handling

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Buffer:	Supplied in 6 M Urea, 56 M Tris, pH 8.0
Precaution of Use:	This product contains sodium azide as preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling this product.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -25 °C.

## Publications

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Product cited in:	Mulvaney, Cole, Kniller, Malito, Tamanaha, Rife, Stanton, Whitman: "Rapid, femtomolar bioassays in complex matrices combining microfluidics and magnetoelectronics." in: <b>Biosensors &amp; bioelectronics</b> , Vol. 23, Issue 2, pp. 191-200, (2007) ( <a href="#">PubMed</a> ).
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