

Datasheet for ABIN935854
Troponin I Protein (TNNI)



[Go to Product page](#)

1 Publication

Overview

Quantity: 1 mg

Target: Troponin I (TNNI)

Origin: Human

Source: Human

Protein Type: Native

Product Details

Characteristics: Purified native Human Troponin I protein (Cardiac)
Protein Source: Human heart tissue

Purity: > 98 % pure

Target Details

Target: Troponin I (TNNI)

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

Background: Human troponin I is presented in cardiac muscle tissue by a single isoform with molecular weight 23876 Da and it consists of 209 amino acid residues. cTnI molecule contains two serines in the 22 and 23 positions. Both amino acid residues can be phosphorylated in vivo by protein kinase A, so four forms of protein - one dephospho, two monophospho and one bisphospho - can coexist in the cell.

Description: Human heart tissue.

Application Details

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

Handling

Format:	Lyophilized
Reconstitution:	Reconstitute with Urea Tris buffer, pH7.5, (7 M Urea, 7 M EDTA, 17 M mercaptoethanol, 27 M Tris).
Buffer:	Lyophilized from 0.01 M HCl.
Precaution of Use:	Donor samples were tested and found to be negative for HBsAg, HIV-1 and HIV-2 antibodies, HCV, and syphilis. Nonetheless caution should be used when handling this material as there is a margin of error in all tests.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	-20 °C/-80 °C
Storage Comment:	Aliquot and store at -20 °C for short term storage, -70 °C for long-term storage.

Publications

Product cited in:	Mulvaney, Cole, Kniller, Malito, Tamanaha, Rife, Stanton, Whitman: "Rapid, femtomolar bioassays in complex matrices combining microfluidics and magneto-electronics." in: Biosensors & bioelectronics , Vol. 23, Issue 2, pp. 191-200, (2007) (PubMed).
-------------------	--