

Datasheet for ABIN6700744
TNNI1 Protein (His tag)



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Overview

Quantity:	20 µg
Target:	TNNI1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This TNNI1 protein is labelled with His tag.
Application:	Western Blotting (WB)

Product Details

Purpose:	Troponin1 recombinant protein-HIS Epitope
Purification:	Recombinant full-length human Troponin1 protein was expressed in E. coli cells using an N-Terminal his epitope. The purity was determined to be >75% by densitometry.
Purity:	>75%

Target Details

Target:	TNNI1
Alternative Name:	TNNI1 (TNNI1 Products)
Background:	<p>Synonyms: TNNI1, DKFZp4510223, SSTNI, TNN1, Troponin I, slow skeletal muscle, Troponin I, slow-twitch isoform</p> <p>Background: Troponin1 is a member of the tropomyosin family and regulates the calcium sensitivity of the myofibril contractile apparatus of striated muscles. Troponin1 is part of a</p>

Target Details

complex with troponin T and troponin C in which Troponin1 acts as an inhibitory subunit that blocks actin-myosin interactions and thereby mediates striated muscle relaxation (1). Troponin1 is expressed in cardiac and skeletal muscle during early development but is restricted to slow-twitch skeletal muscle fibers in adults. The Troponin1 protein prevents muscle contraction by inhibiting calcium-mediated conformational changes in actin-myosin complexes (2). Troponin1 Protein is ideal for investigators involved in Signaling Proteins, Microtubule/Actin Associated Proteins, and Cardiovascular Disease research.

NCBI Accession: [NM_003281](#)

Application Details

Application Notes: Western_Blot_Dilution: User Optimized
Application_Note: Troponin1 Protein is suitable for use in Western Blot. Expect a band approximately ~24 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.2 µg/µL

Buffer: Troponin1 Protein is stored in 50 mM sodium phosphate, pH 7.0, 300 mM NaCl, 150 mM imidazole, 0.1 mM PMSF, 0.25 mM DTT, 25 % glycerol.

Storage: -80 °C

Storage Comment: Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

Expiry Date: 12 months