Datasheet for ABIN7596329

TNNI3 Protein (AA 1-210) (His tag)

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Overview

Quantity:	50 µg
Target:	TNNI3
Protein Characteristics:	AA 1-210
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This TNNI3 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MADGSSD AAREPRPAPA PIRRRSSNYR AYATEPHAKK KSKISASRKL QLKTLLLQIA KQELEREAEE RRGEKGRALS TRCQPLELAG LGFAELQDLC RQLHARVDKV DEERYDIEAK VTKNITEIAD LTQKIFDLRG KFKRPTLRRV RISADAMMQA LLGARAKESL DLRAHLKQVK KEDTEKENRE VGDWRKNIDA LSGMEGRKKK FES
Purity:	> 90% by SDS-PAGE

Target Details

Target:	TNNI3
Alternative Name:	Cardiac Troponin I3/TNNI3 (TNNI3 Products)
Background:	TNNI3, also known as Troponin I3, is one of 3 subunits that form the troponin complex of the thin filaments of striated muscle. TNNI3 is responsible for inhibition of actomyosin ATPase

Target Details

	activity. Therefore, TNNI3 is a key regulatory protein in cardiac muscle contraction and relaxation cycle. Recently, specific missense mutations of the TNNI3 gene have been shown to cause familial hypertrophic cardiomyopathy. Recombinant human TNNI3 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by conventional chromatography.
Molecular Weight:	26.4 kDa (233aa) confirmed by MALDI-TOF
NCBI Accession:	NP_000354

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.