

Recombinant Human TNNC1 protein ab113126

画像数 1

製品の詳細

製品名	Recombinant Human TNNC1 protein
精製度	> 95 % SDS-PAGE. ab113126 was purified using conventional chromatography.
発現系	Escherichia coli
アクセッション番号	P63316
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Human
配列	<p>MGSSHHHHHHSSGLVPRGSHMDDIYKAAVEQLTEEQNEF KAAFDIFVLG AEDGCISTKELGKVMRLGQNPTPEELQEMIDEVDEDGSGTV DFDEFLVM MVRCMKDDSKGKSEEEELSDLFRMFDKNADGYIDLDELKIMLQ ATGETITE DDIEELMKDGDKNNDGRIDYDEFLEFMKGVE</p>
予測される分子量	21 kDa including tags
領域	1 to 161
タグ	His tag N-Terminus

特性

Our **Abpromise guarantee** covers the use of **ab113126** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	SDS-PAGE
	Mass Spectrometry
質量分析	MALDI-TOF
製品の状態	Liquid

前処理および保存

保存方法および安定性	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -
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80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 0.02% DTT, 0.32% Tris HCl, 10% Glycerol (glycerin, glycerine), 0.58% Sodium chloride

関連情報

機能

Troponin is the central regulatory protein of striated muscle contraction. Tn consists of three components: Tn-I which is the inhibitor of actomyosin ATPase, Tn-T which contains the binding site for tropomyosin and Tn-C. The binding of calcium to Tn-C abolishes the inhibitory action of Tn on actin filaments.

関連疾患

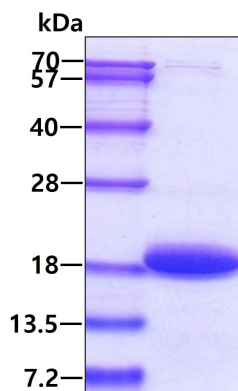
Defects in TNNC1 are the cause of cardiomyopathy dilated type 1Z (CMD1Z) [MIM:611879]. Dilated cardiomyopathy is a disorder characterized by ventricular dilation and impaired systolic function, resulting in congestive heart failure and arrhythmia. Patients are at risk of premature death.

Defects in TNNC1 are the cause of cardiomyopathy familial hypertrophic type 13 (CMH13) [MIM:613243]. A hereditary heart disorder characterized by ventricular hypertrophy, which is usually asymmetric and often involves the interventricular septum. The symptoms include dyspnea, syncope, collapse, palpitations, and chest pain. They can be readily provoked by exercise. The disorder has inter- and intrafamilial variability ranging from benign to malignant forms with high risk of cardiac failure and sudden cardiac death.

配列類似性

Belongs to the troponin C family.
Contains 4 EF-hand domains.

画像



SDS-PAGE analysis of ab113126 (3µg).

SDS-PAGE - Recombinant Human TNNC1 protein
(ab113126)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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