

# Recombinant Human TNNC1 protein ab113126

## 1 图像

### 描述

产品名称	重组人TNNC1蛋白
纯度	> 95 % SDS-PAGE. ab113126 was purified using conventional chromatography.
表达系统	Escherichia coli
Accession	<b><u>P63316</u></b>
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	<b>MGSSHHHHHSSGLVPRGSHMDDIYKAAVEQLTEEQNEF KAAFDIFVLG AEDGCISTKELGKVMRMLGQNPTPEELQEMIDEVDEDGSGTV DFDEFLVM MVRCKDDSKGKSEELSDLFRMFDKNADGYIDLDELKIMLQ ATGETITE DDIEELMKDGDKNNDGRIDYDEFLEFMKGVE</b>
预测分子量	21 kDa including tags
氨基酸	1 to 161
标签	His tag N-Terminus

### 技术指标

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.

应用	SDS-PAGE Mass Spectrometry
质谱法	MALDI-TOF
形式	Liquid

### 制备和贮存

**稳定性和存储** Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -

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

## 常规信息

### 功能

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.

### 疾病相关

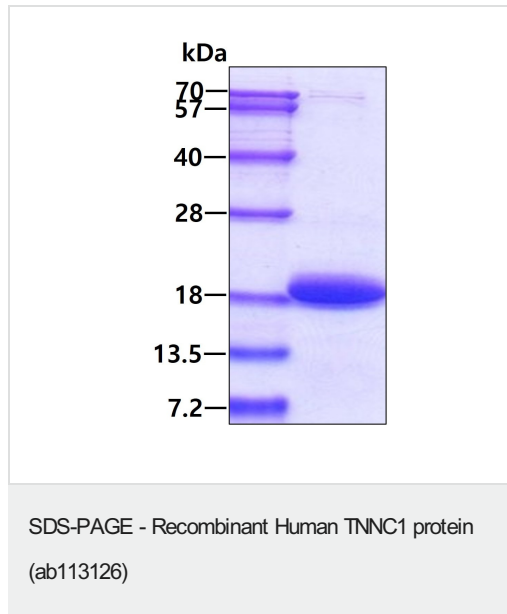
Defects in TNNC1 are the cause of cardiomyopathy dilated type 1Z (CMD1Z) [MIM:611879]. Dilated cardiomyopathy is a disorder characterized by ventricular dilation and impaired systolic function, resulting in congestive heart failure and arrhythmia. Patients are at risk of premature death.

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.

### 序列相似性

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

## 图片



SDS-PAGE analysis of ab113126 (3µg).

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

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