

Product datasheet

Recombinant Human Cardiac Troponin C protein ab70106

製品の概要

製品名	Recombinant Human Cardiac Troponin C protein
タンパク質長	Full length protein

製品の詳細

由来	Recombinant
由来	Escherichia coli

アミノ酸配列

生物種	Human
分子量	18 kDa

特性

Our [Abpromise guarantee](#) covers the use of **ab70106** 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
精製度	> 95 % SDS-PAGE. ab70106 was purified by proprietary chromatographic techniques. Purity is greater than 95.0% as determined by analysis by RP-HPLC, Anion-exchange FPLC and by reducing and non-reducing SDS-PAGE Silver Stained gel.
製品の状態	Liquid
備考	For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

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. Preservative: 0.05% Sodium Azide Constituents: 150mM Sodium chloride, 10mM Sodium phosphate, pH 7.0
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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	<p>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.</p> <p>Defects in TNNC1 are the cause of familial hypertrophic cardiomyopathy 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.</p>
配列類似性	<p>Belongs to the troponin C family.</p> <p>Contains 4 EF-hand domains.</p>

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