

TNNI3 抗原（重组蛋白）

中文名称： TNNI3 抗原（重组蛋白）

英文名称： TNNI3 Antigen (Recombinant Protein)

别名： CMH7; RCM1; cTnI; CMD2A; TNNC1; CMD1FF

相关类别： 抗原

储存： 冷冻（-20℃）

概述

Fusion protein corresponding to a region derived from 44-210 amino acids of human TNNI3

技术规格

Full name:	troponin I type 3 (cardiac)
Synonyms:	CMH7; RCM1; cTnI; CMD2A; TNNC1; CMD1FF
Swissprot:	P19429
Gene Accession:	BC096165
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	Troponin I (TnI), along with troponin T (TnT) and troponin C (TnC), is one of 3 subunits that form the troponin complex of the thin filaments of striated muscle. TnI is the inhibitory subunit; blocking actin-myosin interactions and thereby mediating striated muscle relaxation. The TnI subfamily contains three genes: TnI-skeletal-fast-twitch, TnI-skeletal-slow-twitch, and TnI-cardiac. This gene encodes the TnI-cardiac protein and is exclusively expressed in cardiac muscle tissues. Mutations in this gene cause familial hypertrophic cardiomyopathy type 7 (CMH7) and familial restrictive cardiomyopathy (RCM).

