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TNNT2 Human

Cardiac Muscle Troponin T Recombinant Human
RCP2404

Product Overview

Name	TNNT2 Human
Description	
Cardiac Muscle Troponin T Recombinant Human	
Accession (Primary)	P45379
Synonyms	
CMH2, RCM3, TnTC, cTnT, CMPD2, MGC3889, TNNT2, Troponin T- cardiac muscle, Cardiac muscle troponin T, troponin T type 2 (cardiac).	
Introduction	
TNNT2 is the tropomyosin-binding subunit of the troponin complex, which is situated on the thin filament of striated muscles and regulates muscle contraction in response to alterations in intracellular calcium ion concentration. Mutations in TNNT2 gene can lead to familial hypertrophic cardiomyopathy as well as dilated cardiomyopathy. TNNT2 mutation takes part in hypertrophic cardiomyopathy.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
TNNT2 is supplied as a 0.2 µm filtered solution conteining 10mM Tris-HCl, pH8.0, 50% glycerol and 250mM NaCl.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	
SDIEEVVEEY EEEEQEEAAV EEEEDWREDE DEQEEAAEED AEAEAETEET RAEEDEEEEE AKEAEDGPME ESKPKPRSFM PNLVPPKIPD GERVDFDDIH RKRMEKDLNE LQALIEAHFE NRKKEEEELV SLKDRIERRR AERAEQQRIR NEREKERQNR LAEERARREE EENRRKAEDE ARKKKALSNM MHFGGYIQKQ AQTERKSGKR QTEREKKKKI LAERRKVLAI DHLNEDQLRE KAKELWQSIY NLEAEKFDLQ EKFKQQKYEI NVLRNRINDN	

QKVSKTRGKA KVTGRWK.

Precautions

TNNT2 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P45379)