9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

TNNT2 Human, His

Cardiac Muscle Troponin T Human Recombinant, His Tag
RCP2405

Product Overview

Name	TNNT2 Human, His
Description	
Cardiac Muscle Troponin T Human Recombinant, His Tag	
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 are related with familial hypertrophic cardiomyopathy as well as with dilated cardiomyopathy. TNNT2 mutation takes part in hypertrophic cardiomyopathy.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The TNNT2 solution contains 20mM Tris pH-8.0, 50% glycerol, 0.1mM PMSF, 0.5M NaCl, 1mM DTT and 100mM imidazole.	
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). Please prevent freeze-thaw cycles.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MSDIEEVVEE YEEEEQEEAA VEEQEEAAEE DAEAEAETEE TRAEEDEEEE EAKEAEDGPM EESKPKPRSF MPNLVPPKIP DGERVDFDDI HRKRMEKDLN ELQALIEAHF ENRKKEEEEL VSLKDRIERR RAERAEQQRI RNEREKERQN RLAEERARRE EEENRRKAED EARKKKALSN MMHFGGYIQK	

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TERKSGKRQT EREKKKKILA ERRKVLAIDH LNEDQLREKA KELWQSIYNL EAEKFDLQEK FKQQKYEINV LRNRINDNQK VSKTRGKAKV TGRWK.

Precautions

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

Target Information: (P45379)