9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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TNNI3 Human, His

Cardiac Troponin-I Human Recombinant, His Tag
RCP2402

Product Overview

Name	TNNI3 Human, His
Description	
Cardiac Troponin-I Human Recombinant, His Tag	
Accession (Primary)	P19429
Synonyms	
Troponin I cardiac muscle, Cardiac troponin I, TNNI3, TNNC1, CMH7, RCM1, cTnI, CMD2A, MGC116817.	
Introduction	
Troponin I (TnI), troponin T (TnT) and troponin C (TnC) form the troponin complex of the thin filaments of striated muscle. TnI is acts as the inhibitory subunit by blocking actin-myosin interactions and thereby mediating striated muscle relaxation. The TnI subfamily contains 3 genes: TnI-skeletal-fast-twitch, TnI-skeletal-slow-twitch, and TnI-cardiac. The TNNI3 gene encodes the TnI-cardiac protein and is exclusively expressed in cardiac muscle tissues. Mutations in the TNNI3 gene cause familial hypertrophic cardiomyopathy type 7 (CMH7) and familial restrictive cardiomyopathy (RCM).	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
TNNI3 protein solution in PBS and 25mM arginine.	
Stability	
TNNI3 although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.	
Purity	
Protein is >95% pure as determined by 12% PAGE (coomassie staining).	
Precautions	
TNNI3 Human, His is for research use only and not for use in diagnostic or therapeutic procedures.	

Target Information: (P19429)

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