9051 Mira Mesa Blvd, #910094
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TNNI2 Human, His

Troponin I Type 2 Human Recombinant, His Tag
RCP2398

Product Overview

Name	TNNI2 Human, His
Description	
Troponin I Type 2 Human Recombinant, His Tag	
Accession (Primary)	P48788
Synonyms	
AMCD2B, DA2B, FSSV, fsTnI, Troponin I, fast skeletal muscle, Troponin I, fast-twitch isoform.	
Introduction	
Troponin I, fast skeletal muscle (TNNI2), belongs to the troponin I gene family, and a part of the troponin complex including troponin T, troponin C and troponin I subunits. The troponin complex, along with tropomyosin, is responsible for the calcium-dependent regulation of striated muscle contraction. TNNI2 is also suppresses tumor growth in human ovarian carcinoma. Mutations in TNNI2 cause myopathy and distal arthrogryposis type 2B.	
Source	
E.coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The TNNI2 solution (0.25mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 2M Urea, 20% glycerol and 0.2M 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 90% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGDEEKRNRA ITARRQHLKS VMLQIAATEL EKEESRREAE KQNYLAEHCP PLHIPGSMSE VQELCKQLHA KIDAAEEEKY DMEVRVQKTS KELEDMNQKL FDLRGKFKRP PLRRVRMSAD AMLKALLGSK HKVCMDLRAN LKQVKKEDTE KERDLRDVGD WRKNIEEKSG MEGRKKMFES ES.	
Precautions	
TNNI2 Human, His is for research use only and not for use in diagnostic or therapeutic procedures.	

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Target Information: (P48788)