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

TNNI2 Human

Troponin I Type 2 Human Recombinant
RCP2397

Product Overview

Name	TNNI2 Human
Description	
Troponin I Type 2 Human Recombinant	
Accession (Primary)	P48788
Synonyms	
Troponin I fast skeletal muscle, Troponin I fast-twitch isoform, TNNI2, DA2B, FSSV, fsTnI, AMCD2B.	
Introduction	
TNNI2 is a fast-twitch skeletal muscle protein, belongs to the troponin I gene family, and is part of the troponin complex including troponin T, troponin C and troponin I subunits. The troponin complex, together with tropomyosin, is responsible for the calcium-dependent regulation of striated muscle contraction. TNNI2 is also present in vascular smooth muscle and may play a role in regulation of smooth muscle function. Other than muscle tissues, TNNI2 is found in corneal epithelium, cartilage where it is an inhibitor of angiogenesis to inhibit tumor growth and metastasis, and mammary gland where it functions as a coactivator of estrogen receptor-related receptor alpha. Furthermore, TNNI2 suppresses tumor growth in human ovarian carcinoma. Mutations in the TNNI2 gene cause myopathy and distal arthrogryposis type 2B.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colourless liquid formualtion.	
Formulation	
The protein solution contains 20mM Tris-HCl, 500mM NaCl and 10mM b-ME, pH 7.5.	
Stability	
TNNI2 Human although stable at 10°C for 7 days, should be stored below -18°C. Please prevent freeze-thaw cycles.	
Purity	
Greater than 97.0% as determined by SDS-PAGE.	
Precautions	
TNNI2 Human is for research use only and not for use in diagnostic or therapeutic procedures.	

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Target Information: (P48788)