

Troponin I Type 2 Recombinant Protein | TNNI2 recombinant protein

Recombinant Human Troponin I Type 2

CATALOG #
AAA38441

HOST
E Coli

PRODUCT SYNONYMS

Troponin I Type 2; Recombinant Human Troponin I Type 2; TNNI2 Human; Troponin I Type 2 Human Recombinant; Troponin I fast skeletal muscle; Troponin I fast-twitch isoform; TNNI2; DA2B; FSSV; fsTnI; AMCD2B; TNNI2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 85.0% as determined by SDS-PAGE.
Form/Format	The protein solution contains 20mM Tris-HCl, 500mM NaCl and 10mM b-ME, pH 7.5. Sterile Filtered colourless liquid formulation.
Sequence Length	182
Preparation and Storage	TNNI2 Human although stable at 10 degree C for 7 days, should be stored below -18 degree C. Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for TNNI2 recombinant protein	Description: Skeletal isoforms of Troponin I were suggested to be used as markers of acute and chronic skeletal muscle injuries. In skeletal muscles Troponin I is presented by two forms, slow (21.6 kDa) and fast (21.2 kDa) skeletal. The protein (Fast Skeletal Troponin I) migrates on SDS-PAGE to approximately 26.5kDa. 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.
Product Categories/Family for TNNI2 recombinant protein	Recombinant & Natural Proteins ; Recombinant Proteins ; Cardiac Troponin

NCBI AND UNIPROT INFORMATION

NCBI GI #	224967057
NCBI GeneID	7136
NCBI Accession #	NP_001139301.1
NCBI GenBank Nucleotide #	NM_001145829.1
UniProt Accession #	P48788; A6NIV8; A6NJU5
Molecular Weight	21,355 Da
NCBI Official Full Name	troponin I, fast skeletal muscle isoform 1

NCBI Official Synonym Full Names	troponin I type 2 (skeletal, fast)
NCBI Official Symbol	TNNI2
NCBI Official Synonym Symbols	DA2B; FSSV; fsTnI; AMCD2B
NCBI Protein Information	troponin I, fast skeletal muscle; troponin I fast twitch 2; troponin I, fast-twitch isoform; troponin I, fast-twitch skeletal muscle isoform; troponin I, skeletal, fast
UniProt Protein Name	Troponin I, fast skeletal muscle
UniProt Gene Name	TNNI2
UniProt Entry Name	TNNI2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/tnni2-recombinant-protein-e-coli/38441>