

Troponin I, fast skeletal muscle (Tnni2) Recombinant Protein | Tnni2 recombinant protein

Recombinant Mouse Troponin I, fast skeletal muscle (Tnni2)

CATALOG # AAA113254	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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PRODUCT SYNONYMS

Troponin I; fast skeletal muscle (Tnni2); Recombinant Mouse Troponin I; Tnni2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	2-182aa; Full Length of Mature Protein
Sequence	GDEEKRNRAI TARRQHLKSV MLQIAATELE KEESRRESEK ENYLSEHCPP LHIPGSMSEV QELCKQLHAK IDVAEEEEKYD MEVKVQKSSK ELEDMNQKLF DLRGKFKRPP LRRVRMSADA MLKALLGSKH KVCMDLRANL KQVKKEDTEK ERDLRDVGDW RKNIEEKSGM EGRKKMFESE S
Sequence Length	182
Species	Mouse
Production Note	Special Offer: The E Coli host-expressed protein is manufactured from a stock plasmid containing the protein gene. E Coli host-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The E Coli host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select E Coli host-expressed protein for the fastest delivery among all hosts. Please contact our or email to for more details.
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

ADDITIONAL INFORMATION

Related Product Information for Tnni2 recombinant protein	This gene encodes a fast-twitch skeletal muscle protein, a member of the troponin I gene family, and a component 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. Mouse studies show that this component is also present in vascular smooth muscle and may play a role in regulation of smooth muscle function. In addition to muscle tissues, this protein 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 co-activator of estrogen receptor-related receptor alpha. This protein also suppresses tumor growth in human ovarian carcinoma. Mutations in this gene cause myopathy and distal arthrogryposis type 2B. Alternatively spliced transcript variants have been found for this gene.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6678391
NCBI GeneID	21953
NCBI Accession #	NP_033431.1

NCBI GenBank Nucleotide #	NM_009405.2
UniProt Accession #	P13412 ; A2A6J9
Molecular Weight	28.2 kDa
NCBI Official Full Name	troponin I, fast skeletal muscle
NCBI Official Synonym Full Names	troponin I, skeletal, fast 2
NCBI Official Symbol	Tnni2
NCBI Protein Information	troponin I, fast skeletal muscle
UniProt Protein Name	Troponin I, fast skeletal muscle
UniProt Gene Name	Tnni2

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-or-yeast-or-baculovirus-or-mammalian-cell/113254>