

Troponin T, slow skeletal muscle (TNNT1) Recombinant Protein | TNNT1 recombinant protein

Recombinant Bovine Troponin T, slow skeletal muscle (TNNT1)

CATALOG #
AAA116858

HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

PRODUCT SYNONYMS

Troponin T; slow skeletal muscle (TNNT1); Recombinant Bovine Troponin T; TNNT1 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	1-263, full length protein
Sequence	MSDAEEQEYE EEQPEEEEEAA EEEEEAPEEP EPAAEPPEER PKPSRPVPP LIPPKIPEGE RVDFDDIHRK RMEKDLLELQ TLIDVHFEQR KKEEEELVAL KERIERRRAE RAEQQRFRTE KERERQAKLA EEKMRKEEEE AKKRAEDDAK KKKVLSNMGA HFGGYLVKAE QKRGKRQTGR EMKLRILSER KKPLNIDHMG EEQLREKAQE LSDWIHQLES EKFDLMAKLK QQKYEINVLY NRISHAQKFR KGAGKGRVGG RWK
Sequence Length	263
Species	Bovine
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 TNNT1 recombinant protein	This gene encodes a protein that is a subunit of troponin, which is a regulatory complex located on the thin filament of the sarcomere. This complex regulates striated muscle contraction in response to fluctuations in intracellular calcium concentration. This complex is composed of three subunits: troponin C, which binds calcium, troponin T, which binds tropomyosin, and troponin I, which is an inhibitory subunit. This protein is the slow skeletal troponin T subunit. Mutations in this gene cause nemaline myopathy type 5, also known as Amish nemaline myopathy, a neuromuscular disorder characterized by muscle weakness and rod-shaped, or nemaline, inclusions in skeletal muscle fibers which affects infants, resulting in death due to respiratory insufficiency, usually in the second year. Multiple transcript variants encoding different isoforms have been found for this gene.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	41386697
NCBI GeneID	282095
NCBI Accession #	NP_776899.1
NCBI GenBank Nucleotide #	NM_174474.1
UniProt Accession #	Q8MKH6 ; Q148J9 ; Q8MKH5
Molecular Weight	30,166 Da
NCBI Official Full Name	troponin T, slow skeletal muscle

NCBI Official Synonym Full Names	troponin T1, slow skeletal type
NCBI Official Symbol	TNNT1
NCBI Protein Information	troponin T, slow skeletal muscle
UniProt Protein Name	Troponin T, slow skeletal muscle
UniProt Gene Name	TNNT1
UniProt Synonym Gene Names	TnTs; sTnT

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/tnnt1-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/116858>