Recombinant Human TNNT1

Catalog No: #GP13576

Package Size: #GP13576-1 100ug

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Description

Product Name	Recombinant Human TNNT1
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 1-203 amino acids of human TNNT1
Target Name	troponin T1, slow skeletal type
Other Names	ANM; TNT; NEM5; STNT; TNTS
Accession No.	Swissprot:P13805Gene Accession:BC010963
Uniprot	P13805
GeneID	7138;
Storage	-20~-80°C, pH 7.6 PBS

Background

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.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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