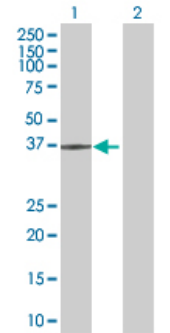
TNNT1 293T Cell Transient Overexpression Lysate(Denatured)

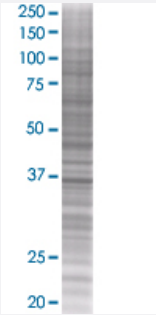
Catalog # H00007138-T01 Size 100 uL

Applications



Western Blot

Lane 1: TNNT1 transfected lysate (27.61 KDa)
Lane 2: Non-transfected lysate.



SDS-PAGE Gel

TNNT1 transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-TNNT1 full-length
Host	Human
Theoretical MW (kDa)	9.13
Quality Control Testing	Transient overexpression cell lysate was tested with Anti-TNNT1 antibody (H00007138-B01) by Western Blots. Western Blot Lane 1: TNNT1 transfected lysate (27.61 KDa) Lane 2: Non-transfected lysate. SDS-PAGE Gel TNNT1 transfected lysate.

Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — TNNT1

Entrez GeneID	7138
GeneBank Accession#	NM_003283
Protein Accession#	NP_003274
Gene Name	TNNT1
Gene Alias	ANM, FLJ98147, MGC104241, STNT, TNT, TNTS
Gene Description	troponin T type 1 (skeletal, slow)
Omim ID	191041 605355
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq
Other Designations	slow skeletal muscle troponin T|troponin T1, skeletal, slow|troponin-T1, skeletal, slow

Disease

- Cardiovascular Diseases

- Diabetes Mellitus
- Edema