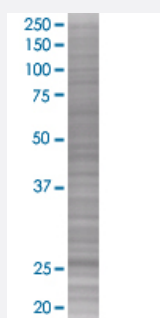


TNNI3 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00007137-T01

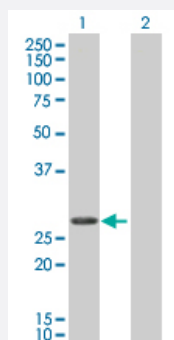
Size 100 uL

Applications



SDS-PAGE Gel

TNNI3 transfected lysate



Western Blot

Lane 1: TNNI3 transfected lysate (24 KDa).

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-TNNI3 full-length

Host Human

Theoretical MW (kDa) 24

Quality Control Testing Transient overexpression cell lysate was tested with Anti-TNNI3 antibody ([H00007137-B01](#)) by Western Blots.
 SDS-PAGE Gel
 TNNI3 transfected lysate
 Western Blot
 Lane 1: TNNI3 transfected lysate (24 KDa).
 Lane 2: Non-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 — TNNI3

Entrez GeneID[7137](#)**GeneBank Accession#**[BC096165](#)**Protein Accession#**[AAH96165](#)**Gene Name**

TNNI3

Gene Alias

CMD2A, CMH7, MGC116817, RCM1, TNNC1, cTnI

Gene Description

troponin I type 3 (cardiac)

Omim ID[115210 191044](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Troponin I (TnI), along with troponin T (TnT) and troponin C (TnC), is one of 3 subunits that form the troponin complex of the thin filaments of striated muscle. TnI is the inhibitory subunit; blocking actin-myosin interactions and thereby mediating striated muscle relaxation. The TnI subfamily contains three genes: TnI-skeletal-fast-twitch, TnI-skeletal-slow-twitch, and TnI-cardiac. This gene encodes the TnI-cardiac protein and is exclusively expressed in cardiac muscle tissues. Mutations in this gene cause familial hypertrophic cardiomyopathy type 7 (CMH7) and familial restrictive cardiomyopathy (RCM). [provided by RefSeq]

Other Designations

familial hypertrophic cardiomyopathy 7|troponin I, cardiac

Pathway

- [Cardiac muscle contraction](#)
- [Hypertrophic cardiomyopathy \(HCM\)](#)

Disease

- [Alzheimer disease](#)
- [Cardiomegaly](#)
- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Death](#)
- [Diabetes Complications](#)
- [Genetic Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Hypertrophy](#)
- [Lipid Metabolism](#)
- [Metabolic Syndrome X](#)
- [Mitochondrial Myopathies](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Tachycardia](#)