

Recombinant Full Length Human TNNT2 Protein, C-Flag-tagged

Cat. No. TNNT2-897HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human TNNT2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes the cardiac isoform of troponin T. The encoded protein is the tropomyosin-binding subunit of the troponin complex, which is located on the thin filament of striated muscles and regulates muscle contraction in response to alterations in intracellular calcium ion concentration. Mutations in this gene have been associated with familial hypertrophic cardiomyopathy as well as with dilated cardiomyopathy.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	35.4 kDa
AA Sequence	MSDIEEVVEEYEEEEQEEAAVEEEEDWREDEDEQEEAAEEDAEAEAETEETRAEED EEEEEAKEAEDGPM EESKPKPRSFMPNLVPPKIPDGERVDFDDIHRKRMEKDLNEL QALIEAHFENRKKEEEEELVSLKDRIERR RAERAEQQRIRNEREKERQNRLAEERAR REEEENRRKAEDEARKKKALSMMHFGGYIQKTERKSGKRQT EREKKKKILAERR KVLAIHDLNEDQLREKAKELWQSIYNLEAEKFDLQEKFKQQKYEINVLNRNRINDNQK VSKTRGKAKVTGRWKTRTRPLEQKLISEEDLAANDILDYKDDDDKV

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Cardiac muscle contraction, Dilated cardiomyopathy, Hypertrophic cardiomyopathy (HCM)
Full Length	Full L.

GENE INFORMATION

Gene Name	TNNT2 troponin T2, cardiac type [Homo sapiens (human)]
Official Symbol	TNNT2
Synonyms	CMH2; RCM3; TnTC; cTnT; CMD1D; CMPD2; LVNC6
Gene ID	7139
mRNA Refseq	NM_000364.4

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Protein Refseq [NP_000355.2](#)

MIM [191045](#)

UniProt ID [P45379](#)



Coomassie blue staining of purified TNNT2 protein.

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