

Recombinant Human TNNT2 Protein, N-His-tagged

Cat. No. TNNT2-010H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TNNT2 protein with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	298
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	Solution
Molecular Mass	36.4 kDa
AA Sequence	MSDIEEVVEEYEEEEQEEAAVEEEEDWREDEDEQEEAAEEDAEAEAETEETRAEED EEEEEAKEAEDGPMEEESKPKPRSFMPNLVPPKIPDGERVDFDDIHRKRMEKDLNEL QALIEAHFENRKKEEEEELVSLKDRIERRRAERAEQQRIRNEREKERQNLAEERARR EEEEENRRKAEDEARKKKALSNNMMHFGGYIQKQAQTERKSGKRQTEREKKKKILAER RKVLAIIDLHNLNEDQLREKAKELWQSIYNLEAEKFDLQEKFKQKYEINVLRNRINDNQK VSKTRGKAKVTGRWK

 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	> 90%
Applications	WB; ELISA; FACS; FC
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	4°C
Concentration	1 mg/mL
Storage Buffer	Tris (pH 8). Sterile-filtered colorless solution.
Reconstitution	Solution for appropriate storage temperature

GENE INFORMATION

Gene Name	TNNT2 troponin T type 2 (cardiac) [Homo sapiens (human)]
Official Symbol	TNNT2
Synonyms	TNNT2; troponin T type 2 (cardiac); cardiomyopathy, hypertrophic 2 , CMH2, troponin T2, cardiac; troponin T, cardiac muscle; troponin T2, cardiac; cardiac muscle troponin T; cardiomyopathy, hypertrophic 2; cardiomyopathy, dilated 1D (autosomal dominant); CMH2; RCM3; TnTC; cTnT; CMPD2; LVNC6; MGC3889;
Gene ID	7139
mRNA Refseq	NM_000364

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Protein Refseq	NP_000355
MIM	191045
UniProt ID	P45379

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