

## Recombinant Human TNNT2 Protein, N-His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant human TNNT2 protein with N-His tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	298
<b>Description</b>	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.
<b>Form</b>	Solution
<b>Molecular Mass</b>	36.4 kDa
<b>AA Sequence</b>	MSDIEEVVEEYEEEEQEEAAVEEEEDWREDEDEQEEAAEEDAEAEAETEETRAEED EEEEAKEAEDGPMEE SKPKPRSFMPNLVPPKIPDGERVDFDDIHRKRMEKDLNEL QALIEAHFENRKKEEEEELVSLKDRIERRRAERAEQQRIRNEREKERQNLAEERARR EEEEENRRKAEDEARKKKALSMMHFGGYIQKQAQTERKSGKRQTEREKKKKILAER RKVLAIIDLHNLNEDQLREKAKELWQSIYNLEAEKFDLQEKFQKQKYEINVLRNRINDNQK VSKTRGKAKVTGRWK

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<b>Purity</b>	> 90%
<b>Applications</b>	WB; ELISA; FACS; FC
<b>Stability</b>	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.
<b>Storage</b>	4°C
<b>Concentration</b>	1 mg/mL
<b>Storage Buffer</b>	Tris (pH 8). Sterile-filtered colorless solution.
<b>Reconstitution</b>	Solution for appropriate storage temperature

## GENE INFORMATION

<b>Gene Name</b>	TNNT2 troponin T type 2 (cardiac) [ Homo sapiens (human) ]
<b>Official Symbol</b>	TNNT2
<b>Synonyms</b>	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;
<b>Gene ID</b>	7139
<b>mRNA Refseq</b>	NM_000364

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<b>Protein Refseq</b>	NP_000355
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<b>MIM</b>	191045
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<b>UniProt ID</b>	P45379
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