

## Recombinant Human TNNT2 protein

**Cat. No.** TNNT2-31691TH    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human TNNT2 protein was expressed in Escherichia coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	297
<b>Description</b>	Troponin T is one of three troponin isoforms found in the tropomyosin-troponin complex. This complex is responsible for the calcium sensitivity of the contractile apparatus in the muscle. Cardiac Troponin T is used as a biological marker for cardiomyocytes and its level in serum is frequently used as an indicator of myocardial cell injury.
<b>Form</b>	Supplied as a 0.2µm filtered solution in 10 mM Tris-HCl, pH8.0, 250 mM NaCl, with 50% glycerol.
<b>Molecular Mass</b>	Approximately 35.8 kDa, a single non-glycosylated polypeptide chain containing 297 amino acids.
<b>AA Sequence</b>	SDIEEVVEEYEEEEQEEAAVEEEEDWREDEDEQEEAAEEDAEAEAETEETRAEED EEEEAKEAEDGPMEESEKPKPRSFMPNLVPPKIPDGERVDFDDIHRKRMEKDLNELQ ALIEAHFENRKKEEEELVSLKDRIERRRAERAEQQRIRNEREKERQNRLAEERARRE EEENRRKAEDEARKKKALSNNMMHFGGYIQKQAQTERKSGKRQTEREKKKILAERR KVLAIIDLNEDQLREKAKELWQSIYNLEAEKFDLQEKFQKQKYEINVLRNRINDNQKV

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SKTRGKAKVTGRWK

**Endotoxin** Less than 1 EU/g of rHucTnT as determined by LAL method.

**Purity** >98% by SDS-PAGE and HPLC analysis.

**Storage** Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 6 months from date of receipt, -20 to -70 centigrade as supplied. 3 months, -20 to -70 centigrade under sterile conditions after opening.

## GENE INFORMATION

**Gene Name** [TNNT2](#)

**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](#)

**Protein Refseq** [NP\\_000355](#)

**MIM** [191045](#)

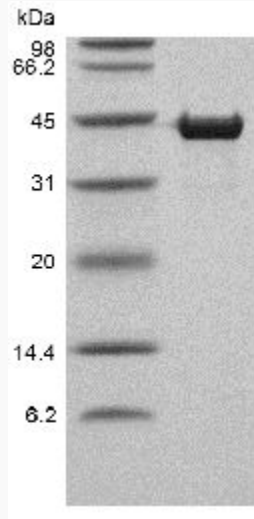
**UniProt ID** [P45379](#)

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**SDS-PAGE of  
TNNT2-31691TH**



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