

Recombinant Human TNNT2 protein

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

SPECIFICATION

Product Overview	Recombinant Human TNNT2 protein was expressed in Escherichia coli.
Species	Human
Source	E.coli
ProteinLength	297
Description	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.
Form	Supplied as a 0.2µm filtered solution in 10 mM Tris-HCl, pH8.0, 250 mM NaCl, with 50% glycerol.
Molecular Mass	Approximately 35.8 kDa, a single non-glycosylated polypeptide chain containing 297 amino acids.
AA Sequence	SDIEEVVEEYEEEEQEEAAVEEEEDWREDEDEQEEAAEEDAEAEAETEETRAEEDE EEEEAKEAEDGPMEEESKPKPRSFMPNLVPPKIPDGERVDFDDIHRKRMEKDLNELQ ALIEAHFENRKKEEEELVSLKDRIERRRAERAEQQRIRNEREKERQNRLAEERARRE EEENRRKAEDEARKKKALSNNMHFGGYIQKQAQTERKSGKRQTEREKKKKILAERR KVLAIIDLHNLNEDQLREKAKELWQSIYNLEAEKFDLQEKFKQQKYEINVLRNRINDNQKV

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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](#)

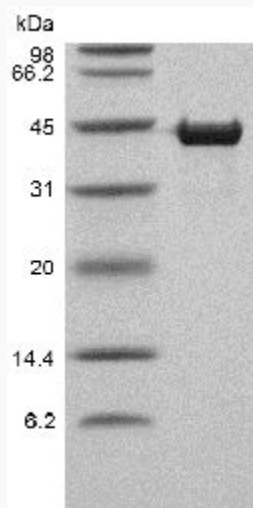
UniProt ID [P45379](#)

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**SDS-PAGE of
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