

Recombinant Human TNNT2 293 Cell Lysate

Cat. No. TNNT2-879HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for troponin T type 2 (cardiac) (TNNT2), transcript variant 3 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name [TNNT2 troponin T type 2 \(cardiac\) \[Homo sapiens \]](#)

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_001001431](#)

Protein Refseq [NP_001001431](#)

MIM [191045](#)

UniProt ID [P45379](#)

Chromosome Location [1q32](#)

Pathway [Cardiac muscle contraction, organism-specific biosystem](#); [Cardiac muscle contraction, conserved biosystem](#); [Dilated cardiomyopathy, organism-specific biosystem](#); [Dilated cardiomyopathy, conserved biosystem](#); [Hypertrophic cardiomyopathy \(HCM\), organism-specific biosystem](#); [Hypertrophic cardiomyopathy \(HCM\), conserved biosystem](#); [Muscle contraction, organism-specific biosystem](#);

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