

Recombinant Rat Tnnt2 protein, His & T7-tagged

Cat. No. Tnnt2-7952R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Tnnt2 aa. (Met1~Lys289 (Accession # P50753)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Met1~Lys289
Description	Tropomyosin-binding subunit of troponin; confers calcium-sensitivity to actinomysin ATPase activity in striated muscle.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 38.3kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 5.5.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate

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was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

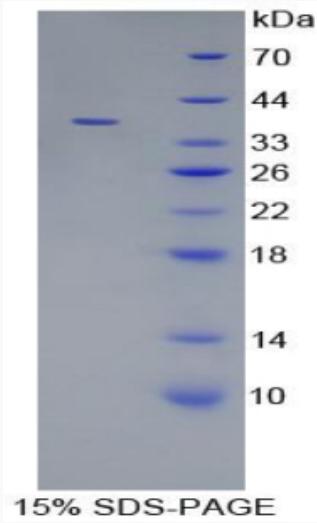
Gene Name	Tnnt2 troponin T2, cardiac type [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	Tnnt2
Synonyms	Tnnt2; troponin T2, cardiac type; Ctt; CTTG; Tnnt3; RATCTTG; troponin T, cardiac muscle; Troponin T cardiac; cTnT; cardiac muscle troponin T; cardiac troponin T2; tnTc; troponin T type 2 (cardiac)
Gene ID	24837
mRNA Refseq	NM_012676.1
Protein Refseq	NP_036808.1
UniProt ID	P50753

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SDS-PAGE



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