Recombinant Mouse Tnnt1 protein, His-tagged

Cat. No. Tnnt1-7948M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Tnnt1 aa. (Met1~Lys261 (Accession # O88346)) fused with N-terminal His tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Met1~Lys261
Description	This gene encodes the slow skeletal tropomyosin-binding subunit of the troponin complex and plays an essential role in the regulation of striated muscle contraction. In humans, mutations in this gene are associated with nemaline myopathy type 5. Alternative splicing of this gene results in multiple transcript variants encoding different isoforms.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 32.7kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 6.1.

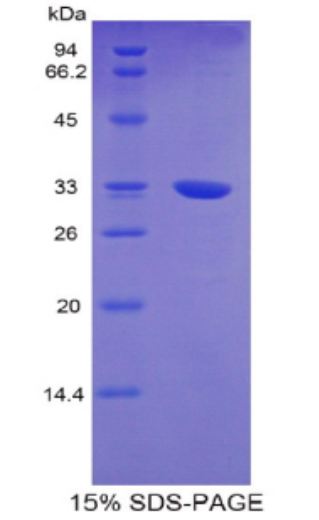
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Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious 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% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	Tnnt1 troponin T1, skeletal, slow [Mus musculus (house mouse)]
Official Symbol	Tnnt1
Synonyms	Tnnt1; troponin T1, skeletal, slow; Tnt; sTnT; ssTnT; AW146156; troponin T, slow skeletal muscle; skeletal muscle slow-twitch TnT
Gene ID	21955
mRNA Refseq	NM_001277903.1
Protein Refseq	NP_001264832.1

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UniProt ID	O88346
SDS-PAGE	 15% SDS-PAGE

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