Recombinant Human TNNC2 protein, His & GST-tagged

Cat. No. TNNC2-7941H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TNNC2 aa. (Thr2~Gln160 (Accession # P02585)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Thr2~Gln160
Description	Troponin (Tn), a key protein complex in the regulation of striated muscle contraction, is composed of 3 subunits. The Tn-I subunit inhibits actomyosin ATPase, the Tn-T subunit binds tropomyosin and Tn-C, while the Tn-C subunit binds calcium and overcomes the inhibitory action of the troponin complex on actin filaments. The protein encoded by this gene is the Tn-C subunit.
Form	Freeze-dried powder
Molecular Mass	45 kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 4.7.

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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 liquid form in Phosphate buffered saline(PBS), pH 7.4.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	TNNC2 troponin C2, fast skeletal type [Homo sapiens (human)]
Official Symbol	TNNC2
Synonyms	TNNC2; troponin C2, fast skeletal type; troponin C, skeletal muscle; troponin C type 2 (fast)
Gene ID	7125
mRNA Refseq	NM_003279.2
Protein Refseq	NP_003270.1

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UniProt ID	P02585

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