

Recombinant Human TNNC2

Cat. No. TNNC2-29819TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length human Troponin C; amino acids 1-160 , 18.1kDa.
Species	Human
Source	E.coli
ProteinLength	1-160 a.a.
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	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 10% Glycerol, 20mM Tris HCl, 100mM Sodium chloride, 1mM DTT, pH 7.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino	MTDQQAEARS YLSEEMIAEF KAAFDMFDAD GGGDISVKEL GTVMRMLGQT

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acids PTKEELDAII EEVDEDGSGT IDFEEFLVMM VRQMKEDAKG KSEEELAECF
RIFDRNADGY IDPEELAEIF RASGEHVTDE EIESLMKDGD KNNDGRIDFD
EFLKMMEGVQ

Full Length Full L.

GENE INFORMATION

Gene Name [TNNC2 troponin C type 2 \(fast\) \[Homo sapiens \]](#)

Official Symbol [TNNC2](#)

Synonyms TNNC2; troponin C type 2 (fast); troponin C2, fast; troponin C, skeletal muscle;

Gene ID [7125](#)

mRNA Refseq [NM_003279](#)

Protein Refseq [NP_003270](#)

MIM [191039](#)

Uniprot ID [P02585](#)

Chromosome Location 20q12-q13.11

Pathway Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem; Muscle contraction, organism-specific biosystem; Striated Muscle Contraction, organism-specific biosystem; Striated Muscle Contraction, organism-specific biosystem;

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Function

contributes_to actin binding; calcium ion binding;

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