

Recombinant Mouse Tnnc1 Protein, Myc/DDK-tagged

Cat. No. Tnnc1-6565M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length troponin C, cardiac/slow skeletal (Tnnc1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Troponin is the central regulatory protein of striated muscle contraction. Tn consists of three components: Tn-I which is the inhibitor of actomyosin ATPase, Tn-T which contains the binding site for tropomyosin and Tn-C. The binding of calcium to Tn-C abolishes the inhibitory action of Tn on actin filaments.
Molecular Mass	18.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name Tnnc1 troponin C, cardiac/slow skeletal [Mus musculus (house mouse)]

Official Symbol Tnnc1

Synonyms TNNC1; troponin C, cardiac/slow skeletal; troponin C, slow skeletal and cardiac muscles; TN-C; TnC; cTnC; cTnl; tncc; AI874626

Gene ID 21924

mRNA Refseq NM_009393

Protein Refseq NP_033419

UniProt ID P19123

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