

Recombinant Human TNNC2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TNNC2-2912H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TNNC2 MS Standard C13 and N15-labeled recombinant protein (NP_003270) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	18.1 kDa
AA Sequence	MTDQQAEARSYLSEEMIAEFKAAFDMFDADGGGDISVKELGTVMRMLGQTPTKEEL DAIIEEVDEDGSGTIDFEEFLVMMVRQMKEDAKGKSEEELAEFCFRIFDRNADGYIDPE ELAEIFRASGEHVTDEEIESLMKDGDKNNDGRIDFDEFLKMMEGVQTRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	TNNC2 troponin C2, fast skeletal type [Homo sapiens (human)]
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

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