

Product datasheet for **TP302754**

Troponin C (TNNC2) (NM_003279) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human troponin C type 2 (fast) (TNNC2), 20 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC202754 protein sequence
Red=Cloning site **Green**=Tags(s)

MTDQQAEARSYLSEEMIAEFKAAFDMFDADGGGDISVKELGTVMRMLGQTPTKEELDAIIIEVDEDGSGT
IDFEEFLVMMVRQMKEDAKGKSEEELAEFRIFDRNADGYIDPEELAEIFRASGEHVTDEEIESLMKDGD
KNDGRIDFDEFLKMMEGVQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 17.9 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_003270](#)

Locus ID: 7125

UniProt ID: [P02585](#)

RefSeq Size: 698



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Cytogenetics: 20q13.12

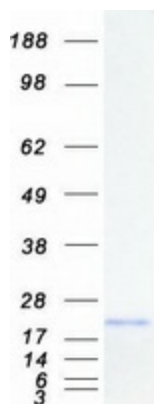
RefSeq ORF: 480

Synonyms: CFAP85; FAP85

Summary: 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. [provided by RefSeq, Jul 2008]

Protein Pathways: Calcium signaling pathway

Product images:



Coomassie blue staining of purified TNNC2 protein (Cat# TP302754). The protein was produced from HEK293T cells transfected with TNNC2 cDNA clone (Cat# [RC202754]) using MegaTran 2.0 (Cat# [TT210002]).