

## Product datasheet for PH302754

### Troponin C (TNNC2) (NM\_003279) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	TNNC2 MS Standard C13 and N15-labeled recombinant protein (NP_003270)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202754
Predicted MW:	18.1 kDa
Protein Sequence:	>RC202754 protein sequence Red=Cloning site Green=Tags(s)  MTDQQAARSYLSEEMIAEFKAAAFDMFDADGGDISVKELGTVMRMLGQTPKTEELDAIIIEVEDEDGSGT IDFEEFLVMMVRQMKEDAKGKSEELAECFRIFDRNADGYIDPEELAEIFRASGEHVTDEEIESLMKDG KNDGRIDFDEFKMMMEGVQ  TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_003270</a>
RefSeq Size:	698
RefSeq ORF:	480
Synonyms:	CFAP85; FAP85
Locus ID:	7125
UniProt ID:	<a href="#">P02585</a>



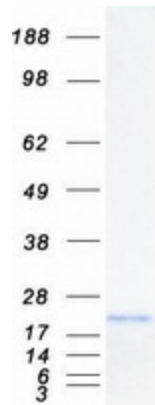
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Cytogenetics: 20q13.12

**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]).