

AR09213PU-N

Human Skeletal muscle Troponin C (1-160) - Purified

Alternate names:

TNNC2

Quantity:

0.1 mg

Concentration:

1 mg/ml (determined by Bradford assay)

Background:

Troponin C, skeletal muscle, also known as TNNC2, is the central regulatory protein of striated muscle contraction, and modulates the Ca²⁺-activation characteristics of muscle fibers. Troponin has 3 subunits, Troponin I(Tn-I), Troponin T(Tn-T) and Troponin C(Tn-C). Tn-I subunit inhibits actomyosin ATPase and Tn-T subunit binds tropomyosin and Tn-C, while Tn-C subunit binds calcium and overcomes the inhibitory action of the troponin complex on actin filaments. Mutations in all components of this complex have been associated with skeletal muscle disease.

Uniprot ID:

[P02585](#)

NCBI:

[NP_003270](#)

GeneID:

[7125](#)

Species:

Human

Source:

E. coli

Format:

Purity: >95% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 7.5) containing 1 mM DTT, 100 mM NaCl, 10% glycerol

Description:

Recombinant human Troponin C was expressed in E.coli and purified by using conventional chromatography.

AA Sequence:

MTDQQAEARS YLSEEMIAEF KAAFDMPDAD GGGDISVKEL GTVMRLGQT PTKEELDAII
EEVDEDGSGT IDFEFLVMM VRQMKEDAKG KSEELAEFC RIFDRNADGY IDPEELAEIF
RASGEHVTDE EIESLMKGDG KNNDGRIDFD EFLKMMEGVQ

Molecular weight: 18.1 kDa (160 aa)

Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

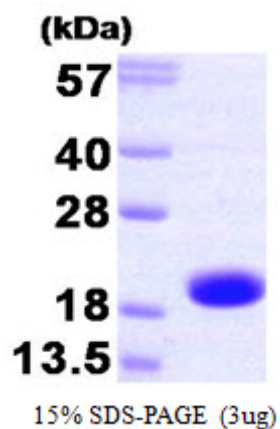
Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

Li Y., et al. (2008). Hereditas. 145(6):274-82.

Pictures:



Recombinant human Troponin C 1-160
aa: 15% SDS-PAGE (3 µg)

