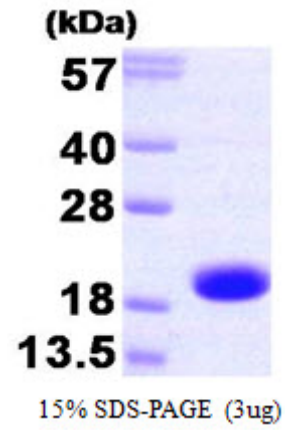


**AR09213PU-L****Human Skeletal muscle Troponin C (1-160) - Purified**

<b>Alternate names:</b>	TNNC2
<b>Quantity:</b>	0.5 mg
<b>Concentration:</b>	1 mg/ml (determined by Bradford assay)
<b>Background:</b>	Troponin C, skeletal muscle, also known as TNNC2, is the central regulatory protein of striated muscle contraction, and modulates the Ca <sup>2+</sup> -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.
<b>Uniprot ID:</b>	<a href="#">P02585</a>
<b>NCBI:</b>	<a href="#">NP_003270</a>
<b>GeneID:</b>	<a href="#">7125</a>
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Format:</b>	<b>Purity:</b> >95% by SDS - PAGE <b>Buffer System:</b> 20 mM Tris-HCl buffer (pH 7.5) containing 1 mM DTT, 100 mM NaCl, 10% glycerol
<b>Description:</b>	Recombinant human Troponin C was expressed in E.coli and purified by using conventional chromatography. <b>AA Sequence:</b> MTDQQAEARS YLSEEMIAEF KAAFDMPDAD GGGDISVKEL GTVMRMLGQT PTKEELDAII EEVDEDGSGT IDFEFLVMM VRQMKEDAKG KSEEEELAEFC RIFDRNADGY IDPEELAEIF RASGEHVTDE EIESLMKDGK KNNDGRIDFD EFLKMMEGVQ <b>Molecular weight:</b> 18.1 kDa (160 aa)
<b>Storage:</b>	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.
<b>General Readings:</b>	Li Y., et al. (2008). Hereditas. 145(6):274-82.

Pictures:



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

