

32-13484: Troponin-C2 Human

Alternative Name : Troponin C, skeletal muscle, TNNC2.

Description

Source: Escherichia Coli.

Sterile filtered colorless solution.

Troponin-C2 (Troponin C, skeletal muscle) is the central regulatory antigen of striated muscle contraction, and modulates the Ca²⁺-activation characteristics of muscle fibers. Troponin-C2 has three subunits, Troponin I(Tn-I), Troponin T(Tn-T) and Troponin C(Tn-C). The 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 linked with skeletal muscle disease.

Troponin-C2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain of 160 amino acids having a molecular mass of 18.1kDa. The Recombinant Human Troponin-C2 is purified by proprietary chromatographic techniques.

Product Info

Amount : 5 µg / 20 µg

Purification : Greater than 95.0% as determined by SDS-PAGE.

Content : The protein (1mg/ml) contains 20 mM Tris-HCl buffer (pH 7.5), 1mM DTT, 100mM NaCl and 10% glycerol.

Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid : MTDQQAERS YLSEEMIAEF KAFDMFDAD GGGDISVKEL GTVMRMLGQT PTKEELDAII EEVDEDGSGT IDFEEFLVMM VRQMKEDAKG KSEELAEFC RIFDRNADGY IDPEELAEIF RASGEHVTDE EIESLMKDGDKNN DGRIDFD EFLKMMEGVQ.