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- Mindermengenzuschlag
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Recombinant Single Chain Cardiac Troponin I-C

CLPRO345
CLPRO345-2
CLPRO345-3
Lot:

Introduction: Troponin Complex is a heteromeric protein playing an important role in the regulation of skeletal and cardiac muscle contraction. It consists of three subunits, Troponin I, Troponin T and Troponin C. Each subunit is responsible for part of Troponin Complex function. E.g. Troponin I inhibits ATP-ase activity of acto-myosin. Troponin T and Troponin I are presented in cardiac muscles in different forms than in skeletal muscles. Purified subunits of rcTnI, rcTnC and rcTnT are re-complexed *in vitro* under appropriate conditions.

Description: Recombinant Single Chain Cardiac Troponin I-C produced in *E.Coli* is a single, non-glycosylated, polypeptide chain having a molecular mass of 45kDa. The scIC is purified by proprietary chromatographic techniques.

Synonyms: Troponin I cardiac muscle, Cardiac troponin I, TNNI3, TNNC1, CMH7, RCM1, cTnI, CMD2A, MGC116817, Troponin C slow skeletal and cardiac muscles, TN-C, TNNC1, TNNC, TNC, CMD1Z.

Source: *Escherichia Coli*.

Presentation: 2 µg (CLPRO345), 10 µg (CLPRO345-2), or 1 mg (CLPRO345-3), sterile filtered colourless liquid formulation. Each mg/ml of protein contains 50% glycerol.

Stability: scIC although stable at 10°C for 7 days, should be stored desiccated below -20°C. **Please prevent freeze-thaw cycles.**

Purity:

Greater than 85.0% as determined by:

- (a) Analysis by RP-HPLC.
- (b) Analysis by SDS-PAGE.

Applications: Immunoassays and western blot.

Laboratory Reagent For Research Use Only

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