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**Product Data Sheet**

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Product Name: scIC  
Cat. No.: GP24886  
Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
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.		
Formulation	Each mg/ml of protein contains 50% glycerol.		

**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 recomplexed in vitro under appropriate conditions.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Avoid multiple freeze-thaw cycles.

**Background**

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.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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