

# Recombinant Human Cardiac Troponin I-C Complex

## Certificate of Analysis and Data Sheet

➤ <b>Source:</b> E.Coli	➤ <b>Catalog No.</b> PRO-344
----------------------------	---------------------------------

### ➤ **Background:**

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.

### ➤ **Physical Appearance:**

Sterile Filtered colourless liquid formulation

### ➤ **Formulation:**

0.5 mg/ml glycerol

### ➤ **Stability:**

Recombinant Human Cardiac Troponin I-C Complex is stable at 10°C between 2-7 days, however, should be stored desiccated below -18°C.

**Please avoid freeze-thaw cycles.**

### ➤ **Purity:**

Greater than 90.0% as determined by:

- (a) Analysis by RP-HPLC.
- (b) Anion-exchange FPLC.
- (c) Analysis by reducing and non-reducing SDS-PAGE Silver Stained gel.

### ➤ **Dimers and aggregates:**

Less than 1% as determined by silver-stained SDS-PAGE gel analysis.

### ➤ **Endotoxin:**

Less than 0.1 ng/μg (IEU/μg) of human Troponin I-C Complex.

### ➤ **Applications:**

1. Immunoassays
2. Western blot

### ➤ **Usage:**

This material is offered for research, laboratory or further evaluation purposes.

