

Recombinant Human Cardiac Troponin-T

Certificate of Analysis and Data Sheet

➤ Source: E.Coli	➤ Catalog No. PRO-342
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➤ **Background:**

One of the three polypeptide chains that make up the TROPONIN complex. It is a cardiac-specific protein that binds to tropomyosin. It is released from only damaged or injured heart tissue and cells.

➤ **Description :**

Recombinant Human Cardiac Troponin-T produced in E.Coli is a single, non-glycosylated, polypeptide chain having a molecular mass of 40kDa. Recombinant Cardiac Troponin-C is purified by proprietary chromatographic techniques.

➤ **Physical Appearance:**

Sterile Filtered colourless liquid formulation

➤ **Formulation:**

0.5 mg/ml glycerol

➤ **Stability:**

Recombinant Human Cardiac Troponin-T 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 TnT.

➤ **Usage:**

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