TNNI3
Native Human Troponin I type 3 (Cardiac)

Catalog No.	CSI14722	**Quantity:**	100 µg

Description: Purified native Human Troponin I protein (Cardiac)
Background: Troponin I is a part of the troponin complex. It binds to actin in thin myofilaments to hold the actin-tropomyosin complex in place. Because of it myosin cannot bind actin in relaxed muscle. When calcium binds to the Troponin C it causes conformational changes which lead to dislocation of troponin I and finally tropomyosin leaves the binding site for myosin on actin leading to contraction of muscle. The letter I is given due to its inhibitory character.

Gene ID: 7137

Source: Human Cardiac Tissue

Formulation: Supplied as a liquid in 8 M Urea buffer with 30 mM NaCl + 50 mM Tris + HCl + 15 mM beta-mercaptoethanol + 1 mM EGTA, pH 8.0

Purity: >99% pure by SDS PAGE

Purification Method: Purified by ion-exchange and Tn-C affinity chromatography

Applications: User optimized

Storage & Stability: Store at -20 °C to -70 °C. **Avoid repeated freeze/thaw cycles**

Biohazard: Donor samples were tested and found to be negative for HBsAg, Anti-HIV-1/HIV-2, & HCV. Nonetheless caution should be used when handling this material as there is a margin of error in all tests.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

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