10320 Camino Santa Fe, Suite G
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cTnI

Catalog # PVGS1511

Specification

cTnI - Product Information

Primary Accession P19429

Species
Human

Sequence
Ala2-Ser210

Purity
> 95% as analyzed by SDS-PAGE

Expression System
E. coli

Formulation **Lyophilized after extensive dialysis against 10 mM HCl.**

Reconstitution
It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH_2O or PBS up to 100 µg/ml.

Storage & Stability
Upon receiving, this product remains stable for up to 6 months at lower than -70°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles.

cTnI - Additional Information

Gene ID 7137

Other Names
Troponin I, cardiac muscle, Cardiac troponin I, TNNI3, TNNC1

Target Background
Cardiac Troponin I (cTnI) is a subtype of the troponin family that is commonly used as a marker for myocardial damage. Cardiac troponin I is specific for cardiac tissue and is detected in the serum only if myocardial injury has occurred. Because cardiac troponin I is a very sensitive and specific indicator of heart muscle (myocardium) damage, serum levels can be used to help differentiate between unstable angina and myocardial infarction (heart attack) in people with chest pain or acute coronary syndrome.

cTnI - Protein Information

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Name TNNI3

Synonyms TNNC1

Function
Troponin I is the inhibitory subunit of troponin, the thin filament regulatory complex which confers calcium-sensitivity to striated muscle actomyosin ATPase activity.

cTnI - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

cTnI - Images