

### cTnl

Catalog # PVGS1511

### **Specification**

### cTnl - Product Information

Primary Accession **Species** Human P19429

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  $100 \mu g/ml$ .

# 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

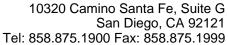
### **Other Names**

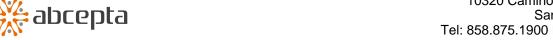
Troponin I, cardiac muscle, Cardiac troponin I, TNNI3, TNNC1

### **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**





# 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
- <u>Immunohistochemistry</u>
- <u>Immunofluorescence</u>
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

cTnI - Images