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cTnI

Catalog # PVGS1511

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 □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.

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.

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.