

Rev04
Update: Mar,01,2022

DATASHEET

Cardiac Troponin I (cTnI), His, Human

Cat. No.: Z03320

Product Introduction

Species	Human				
Protein Construction	<table><tr><td>Poly-His</td><td>cTnI (Ala2-Ser210) Accession # P19429</td></tr><tr><td>N-term</td><td>C-term</td></tr></table>	Poly-His	cTnI (Ala2-Ser210) Accession # P19429	N-term	C-term
Poly-His	cTnI (Ala2-Ser210) Accession # P19429				
N-term	C-term				
Purity	> 95% as analyzed by SDS-PAGE				
Expression System	E. coli				
Apparent Molecular Weight	~26 kDa, on SDS-PAGE under reducing conditions.				
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 ₂ O 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.				

Background

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.

Synonyms : Human Cardiac Troponin I

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.