

Recombinant human Creatine Kinase MB protein, N-His

Catalog Number: bs-41114P

Concentration: >0.5 mg/ml

Species: Human

AA Seq: CKM (1-381/381) & CKB (1-381/381)

Predicted MW: 90.9

Tags: N-His

Activity: Not tested

Endotoxin: Not analyzed

Purity: >95% as determined by SDS-PAGE

Purification: AC

Form: Liquid

Storage: PBS (pH7.4) with 1mM EDTA and 1mM DTT.

Stored at 2-8°C for one year.

Background: The Creatine Kinase MB (CK-MB) isoenzyme is predominantly found in the myocardium (heart muscle). Following a heart attack (myocardial infarction), damaged cells release CK-MB into the blood; these elevated CK levels can be seen 4-8 hours post-infarction and remain elevated for a few days. This makes creatine kinase a useful biomarker for assessing damage to CK-rich tissues, as in cases of rhabdomyolysis (severe muscle breakdown), acute kidney injury, and heart attack.

VALIDATION IMAGES



The purity of the protein is greater than 90% as determined by reducing SDS-PAGE.

PRODUCT SPECIFIC PUBLICATIONS

[IF=1.3] Tao Zhong. et al. Electrochemical immunosensor based on gold nanoparticles for the detection of

creatine kinase as a cardiac marker. INT J ELECTROCHEM SC. 2024 Nov;19:100821 ; .
10.1016/j.ijoes.2024.100821