
Recombinant human CK-MB protein, N-His

Catalog Number: bs-41210P

Concentration: >0.5 mg/ml

Species: Human

AA Seq: CKM(1-381aa) & CKB(2-381aa)

Predicted MW: 43

Tags: N-His

Activity: Not tested

Endotoxin: Not analyzed

Purity: >90% as determined by SDS-PAGE

Purification: AC

Form: Liquid

Storage: PBS (pH7.4).

Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.

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.

PRODUCT SPECIFIC PUBLICATIONS

[IF=16] Kuo Yang. et al. A Wearable Dual-Modal Patch for Rapid Pre-Hospital Diagnosis of Acute Myocardial Infarction. ACS NANO. 2025;19(26):23969–23981 Other ; . 40552765

[IF=15.1] Lizhu Zeng. et al. Anisotropic aptamer-modified DNA tetrahedra/MOF nanoprobe for enhanced colorimetric aptasensing of cardiac troponin I. CHEM ENG J. 2023 Oct;474:145525 Other ; . 10.1016/j.cej.2023.145525