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## Recombinant human CK-MB protein, His

Catalog Number: A1001P-1

Concentration: >0.5 mg/ml

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

Tags: His

Activity: Not tested

Endotoxin: Not analyzed

Purity: >90% as determined by SDS-PAGE

Purification: AC

Form: Liquid

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

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.

### VALIDATION IMAGES

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