

## Active Native Human Creatine Kinase MB

**Cat. No.** CKMB-165H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| <b>Product Overview</b> | Purified Native Human Cardiac Tissue Creatine Kinase MB. CAS Number: 9001-15-4; E.C. Number: 2.7.3.2; Contaminants: CK-BB, CK-MM, LDH, GOT:=99% CK-MB (Helena QuickGel CK)                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | Human Cardiac                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>      | Human Creatine Kinase is one of the most important myocardial markers (in spite of not being altogether cardiac-specific), with well-established roles in confirming acute myocardial infarction (AMI). It can also used for monitoring reperfusion during thrombolytic therapy following AMI. Testing is performed when the total Creatine Phosphokinase (CPK) level is elevated. Isoenzyme testing can help differentiate the source of the damaged tissue. Human CPK enzyme consists of two subunits, which can be either B (brain type) or M (muscle type). Three different isoenzymes: Creatine Kinase MM, BB, and MB isoenzymes exist |
| <b>Form</b>             | 50% glycerol solution with tris-succinate, DTT, EDTA and sodium chloride                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Bio-activity</b>     | >10 U/mg protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Storage</b>          | Store at -20°C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Concentration</b>    | >10 mg protein/mL (Coomassie)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA