

## **Native Human Creatine Kinase MB Fraction**

## **Product Information**

Cat#         NATE-0141           Abbr         CKMB, Native (Human)           Alias         CK-MB; CKMB; Creatine Kinase MB           Similar         CKMB           Species         Human           Source         Human heart           Description         In the cells, the "cytosolic" CK enzymes consist of two subunits, which can be either B (brain type) or M (muscle type). There are, therefore, three different isoenzymes: CK-MM, CK-BB and CK-MB. The genes for these subunits are located on different chromosomes:B on 14q32 and M on 19q13. In addition to those three cytosolic CK isoforms, there are two mitochondrial creatine kinase isoenzymes, the ubiquitous and sarcomeric form. The functional entity of the latter two mitochondrial CK isoforms is an octamer consisting of four dimers each.           Applications         The MB isoenzyme of creatine kinase (MBCK) can be used as a diagnostic marker for acute myocardial infarction.           Form         liquid           Activity         > 1,000 U/mL           Purity         > 70% (SDS-PAGE)           Concentration         > 0.5 mg/mL           Stability         -20°C           Buffer         Solution in 5 mM sodium succinate, 10 mM sodium chloride, 1 mM EDTA, 5 mM β-mercaptoethanol, 50% glycerol, pH 7.0.           Synonyms         CK-MB; CKMB; Creatine Kinase MB Fraction; Creatine Kinase MB		
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Synonyms CK-MB; CKMB; Creatine Kinase MB Fraction; Creatine Kinase MB	Buffer	
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