Creative Enzymes®

Native Human Creatine Kinase MB Fraction

Cat. No. NATE-0141

Lot. No. (See product label)

Introduction

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.
Synonyms	CK-MB; CKMB; Creatine Kinase MB Fraction; Creatine Kinase MB

Product Information

Species	Human
Source	Human heart
Form	liquid
Purity	> 70% (SDS-PAGE)
Concentration	> 0.5 mg/mL
Buffer	Solution in 5 mM sodium succinate, 10 mM sodium chloride, 1 mM EDTA, 5 mM β-mercaptoethanol, 50% glycerol, pH 7.0.

Storage and Shipping Information

Stability	−20°C