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## Product Data Sheet

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Product Name: CKMBITII Human  
Cat. No.: GP22467  
Batch No.: 1

### Product Data

Purity	>98%	Source	Pichia Pastoris.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Creatine Kinase MB Isoenzyme Type-II; CKMBITII; CKMBI; CKMB.		
Formulation	Each mg of protein contains 20mM Tris-HCl, pH-6.8, 1mM EDTA and 1mM DTT, 50% (v/v) glycerol.		

### Introduction

CK-MB Type II possesses the naturally occurring carboxy-terminal amino acid lysine. This occurs during a myocardial infarct (MI or heart attack) when CK-MB Type II is released from damaged heart muscle, and the C-terminal lysine is cleaved in the blood stream, thus creating CK-MB Type I. This difference can be exploited in diagnosis of an MI.

### Biological Activity

The enzyme activity measured by kinetic assay at 340nm was 883 IU/mg at 37 degrees Celsius, corresponding to a Specific Activity of 1,133ng/ml.

### Stability

CKMBITII although stable at 15°C for 7 days, should be stored below -18°C . Please prevent freeze-thaw cycles.

### Background

CKMBITII Human Recombinant produced in Pichia Pastoris reacts with polyclonal antibodies to MB Isoenzyme in ELISA.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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