

Active Native Human CKMB protein

Cat. No. CKMB-256H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Human CKMB protein purified from Human Heart.
Species	Human
Source	Human Heart
Description	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 be used for monitoring reperfusion during thrombolytic therapy following AMI. Testing is performed when the total Human 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.
Form	0.2 micron filtered, buffered solution, pH 7.0 with glycerol added to 50% (v/v).
Bio-activity	> 1,000 U/mL (Dimension® Clinical Chemistry System)
Molecular Mass	84000
Unit Definition	One unit will catalyze the transphosphorylation of one micromole of phosphate from creatine phosphate to ADP per minute at 37 centigrade.
Storage	Storage at -20 centigrade

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Concentration > 10 mg protein/mL (Coomassie)