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# CKMB
# Native Human Creatine Kinase MB

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| **Catalog No.** | CSI19642A<br>CSI19642B | **Quantity:** | 100 U<br>1 KU |

**Alternate Names:** CK-MB, CKMB

**Description:** Creatine Kinase (CK) is a cytoplasmic enzyme involved in energy homeostasis. CK reversibly catalyzes the transfer of phosphate between ATP and various phosphogens such as Creatine Phosphate. It acts as a homodimer in brain (CKBB) and in muscle (CKMM), and as a heterodimer with a similar muscle isozyme in heart (CKMB). CK is a member of the ATP:guanido phosphotransferase protein family.

**Concentration:** Typically ≥10 mg protein/mL, Coomassie

**Gene ID:** 1152/1158

**Source:** Purified from human heart

**Molecular Weight:** 84,000

**Formulation:** Sterile filtered solution of 10 mM tris-succinate, 2 mM DTT, 2 mM EDTA, 175 mM sodium chloride, pH 7.0 with glycerol added to 50% (v/v)

**Recertification:** 2 years

**Biological Activity:** ≥ 1,000U/ml, defined as one unit transphosphorylates one μmole of phosphate from Creatine Phosphate to ADP per minute at 37°C.

**Specific Activity:** report as U/mg

**Storage & Stability:** Store at -20°C to -80°C up to 1 year.

**NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.**

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