

## CREATINE KINASE Porcine

<b>Catalog No.</b>	CSI14897A	<b>Quantity:</b>	25 KU
	CSI14897B		50 KU

**Alternate Names:** CK, Creatine Phospho-Kinase, CPK

**Description:** Creatine Kinase (CK), also known as Creatine Phospho-Kinase (CPK) is an enzyme expressed by various tissues and cell types. CK catalyses the conversion of creatine and consumes adenosine triphosphate (ATP) to create phosphocreatine (PCr) and adenosine diphosphate (ADP). This CK enzyme reaction is reversible, such that also ATP can be generated from PCr and ADP.

Creatine Kinase (CK) enzyme consists of two subunits, which can be either B (brain type) or M (muscle type). Three different isoenzymes exist: CKBB, CKMM, and CKMB.

**Concentration:** Typically >0.7 mg/mg

**Source:** Porcine Heart

**Formulation:** Lyophilized

**Specific Activity:** Typically >400 U/mg @ 37°C

**Unit Definition:** One unit will transfer one micromole of phosphate from creatine phosphate to ADP per minute @ 37°C. Measured at 340 nm as one equimolar amount of NADH produced by a coupled reaction.

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

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



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