

Creatine Kinase (CK/CPK), Rabbit Muscle

CATALOG NO:	P1301-1 P1301-25	1 kU 25 kU
ALTERNATE NAMES:	Creatine Phosphokinase, Creatine N-Phosphotransferase, CK, CPK, Phosphocreatine phosphokinase	
SOURCE:	Rabbit Muscle	
PURITY:	Purified	
MOL. WEIGHT:	85 kDa (dimer)	
FORM:	Lyophilized	
STORAGE CONDITIONS:	Store at -20°C. Avoid repeated freezing and thawing cycles.	
BIOLOGICAL ACTIVITY:	≥ 250 U/mg protein (Dimension® Clinical Chemistry System)	
UNIT DEFINITION:	One unit catalyzes the transphosphorylation of one micromole of phosphate from creatine phosphate to ADP per minute at 37°C.	
RECONSTITUTION:	Tris buffered saline containing 1 mM DTT and 1% BSA.	
DESCRIPTION:	<p>Creatine Kinase, also known as CK, CPK, Creatine Kinase, Creatine Phosphokinase is an enzyme present in muscle, brain, and other tissues of vertebrates that catalyzes the reversible conversion of ADP and phosphocreatine into ATP and creatine.</p> <p>Clinical Significance: Detection of Heart Disease, Liver Disease, Diseases of the Central Nervous System and Thyroid Disease. Creatine Kinase CPK products are extensively used in multi-analyte clinical chemistry controls and calibrators for major IVD manufacturers.</p>	

RELATED PRODUCTS:

- Creatine Kinase (CK) Activity Colorimetric Assay Kit (**Cat. No. K777**)
- Creatine Colorimetric/Fluorometric Assay Kit (**Cat. No. K635**)
- Creatinine Colorimetric/Fluorometric Assay Kit (**Cat. No. K625**)
- Creatinine (Mouse) ELISA Kit (**Cat. No. E4369**)
- Creatinine (Rat) ELISA Kit (**Cat. No. E4370**)
- Creatinine (Human) ELISA Kit (**Cat. No. E4368**)

FOR RESEARCH USE ONLY! Not to be used on humans.