

Creatine Kinase Active Protein | CK active protein

Creatine Kinase (CPK/CK), Bovine Heart

CATALOG #
AAA44789

PRODUCT SYNONYMS

Creatine Kinase; Creatine Kinase (CPK/CK); Bovine Heart; CPK; Creatine Phosphokinase; Creatine Kinase (CK/CPK); Bovine; >100 U/mg; CK active protein

PRODUCT SPECIFICATIONS

Purity/Purification	Purified
Form/Format	Solid, lyophilized from 20mM tris chloride, 1mM EDTA and 1mM DTT Appearance: Red powder
Sequence Length	383
Source	Bovine Heart
EC Number	2.7.3.2
CAS Number	9001-15-4
Unit Definition	One unit will catalyze the transphosphorylation of one micromole of phosphate from creatine phosphate to ADP per minute at 37 degree C.
Specific Activity	240 U/mg protein
Solubility	Clear, red solution (10mg/mL TBS with 1% BSA and 1mM DTT)
Protein	0.86 mg protein/mg (Coomassie)
Contaminants	SGOT/AST: $\leq 4\%$ GPT: $\leq 0.1\%$ LDH: $\leq 0.1\%$ Ammonia: < 0.1 micromole/mg
Activity	210 U/mg (Dimension Clinical Chemistry System)
Advice	Reconstitute into provided container and centrifuge to ensure full recovery.
Preparation and Storage	Aliquot and freeze at -20°C after reconstitution. Protect from moisture.

ADDITIONAL INFORMATION

Related Product Information for CK active protein	AAA Biotech produces bovine heart Creatine Kinase (CPK/CK) for research, life science, and manufacturing uses. Custom preparations, technical support, bulk quantities and aliquoting available. Creatine Kinase 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. Detection of Heart Disease, Liver Disease, Diseases of the Central Nervous System and Thyroid Disease. Our Creatine Kinase (CPK) products are extensively used in multi-analyte clinical chemistry controls and calibrators for major IVD manufacturers.
Product Categories/Family for CK active protein	Proteins ; Antigens ; Enzymes ; Standards/controls ; Native Proteins ; Creatine Kinase (ck/cpk)

NCBI AND UNIPROT INFORMATION

NCBI GI #	185132569
NCBI GeneID	100136767
NCBI Accession #	NP_001118187.1
NCBI GenBank Nucleotide #	NM_001124715.1
Molecular Weight	43,004 Da
NCBI Official Full Name	creatine kinase, testis isozyme
NCBI Official Symbol	ckb
NCBI Official Synonym Symbols	tck1
NCBI Protein Information	creatine kinase, testis isozyme
UniProt Protein Name	Creatine kinase, testis isozyme
UniProt Gene Name	tck1
UniProt Entry Name	KCRT_ONCMY

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/ck-active-protein/creatine-kinase/44789>