Recombinant Rat Creatine kinase B-type (Ckb)

Product Code	CSB-BP005455RA
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P07335
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	≥85% (SDS-PAGE)
Sequence	PFSNSHNTQ KLRFPAEDEF PDLSSHNNHM AKVLTPELYA ELRAKCTPSG FTLDDAIQTG VDNPGHPYIM TVGAVAGDEE SYDVFKDLFD PIIEDRHGGY QPSDEHKTDL NPDNLQGGDD LDPNYVLSSR VRTGRSIRGF CLPPHCSRGE RRAIEKLAVE ALSSLDGDLS GRYYALKSMT EAEQQQLIDD HFLFDKPVSP LLLASGMARD WPDARGIWHN DNKTFLVWIN EEDHLRVISM QKGGNMKEVF TRFCTGLTQI ETLFKSKNYE FMWNPHLGYI LTCPSNLGTG LRAGVHIKLP HLGKHEKFSE VLKRLRLQKR GTGGVDTAAV GGVFDVSNAD RLGFSEVELV QMVVDGVKLL IEMEQRLEQG QPIDDLMPAQ K
Source	Baculovirus
Target Names	Ckb
Protein Names	Recommended name: Creatine kinase B-type EC= 2.7.3.2 Alternative name(s): B-CK Creatine kinase B chain
Expression Region	2-381
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This protein is a cytoplasmic enzyme involved in energy homeostasis. The encoded protein reversibly catalyzes the transfer of phosphate between ATP and various phosphogens such as creatine phosphate. It acts as a homodimer in brain as well as in other tissues, and as a heterodimer with a similar muscle isozyme in heart. The encoded protein is a member of the ATP:guanido phosphotransferase protein family. A pseudogene of this gene has been characterized.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life

of lyophilized form is 12 months at -20°C/-80°C.