



Recombinant Rat Diacylglycerol kinase beta (Dgkb), partial

Product Code	CSB-MP006833RA
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P49621
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	<p>MTNQEKWAHL SPSEFSQLQK YAEYSTKCLK DVLEEFHGNG VLAKYNPEGK QDILNQTIDF EGFKLFMKT LEAELPDDFT AHLFMSFSNK FPHSSPNVKS KPALLSGGLR MNKGAITPPR SSPANTCFPE VIHLKDIVCY LLLERGRPE DKLEFMFRLY DTDGNGFLDS SELENIIGQM MHVAEYLEWD VTELNPILHE MMEEIDYDRD GTVSLEEWIQ GGMTTIPLLV LLGLENNVKD DGQHVWRLKH FNKPAYCNLC LNMLIGVGKQ GLCCSFCKYT VHERCARAPP SCIKTYVKSK KNTDVMHHYW VEGNCPTKCD KCHKTVKCYQ GLTGLHCVWC QTTLHNKCAS HLKPECDCGP LKDHLPTT ICPVLTMTPT AGTSVPEERQ STAKKEKGSS QQPKNVTDKN KMQRANSVTM DGQGLQITPI PGTHPLLVFV NPKSGGKQGE RIYRKFQYLL NPRQVYSLSG NGPMPGLHFF RDVPDFRVLA CGGDGTVGWI LDCIEKANVV KHPPVAILPL GTGNDLARCL RWGGGYEGEN LMKILKDIES STEIMLDRWK FEVTPNDKDE KGDPVPYSII NNYFSIGVDA SIAHRFHIMR EKHPEKFNSR MKNKFWYFEF GTSETFSATC KKLHESVEIE CDGVQIDLIN ISLQGIILN IPSMHGGSNL WGESKKKRSH RRIEKKGSDK RPTLTDKEL KFASQDLSAQ LLEVVGLEGA MEMGQIYTGL KSAGRRLAQC SSVVIRTSKS LPMQIDGEPW MQTPCTIKIT HKNQAPMLMG PPPKTGLFCS LIKTRNRSK E</p>
Source	Mammalian cell
Target Names	Dgkb
Protein Names	Recommended name: Diacylglycerol kinase beta Short name= DAG kinase beta EC= 2.7.1.107 Alternative name(s): 90 kDa diacylglycerol kinase Diglyceride kinase beta Short name= DGK-beta
Expression Region	1-801
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	Partial
Target Details	Diacylglycerol kinases (DGKs) are regulators of the intracellular concentration of the second messenger diacylglycerol (DAG) and thus play a key role in cellular processes. Nine mammalian isotypes have been identified, which are encoded by separate genes. Mammalian DGK isozymes contain a conserved catalytic (kinase) domain and a cysteine-rich domain (CRD). This protein is a



diacylglycerol kinase, beta isotype. Two alternatively spliced transcript variants have been found for this gene.

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.