



Recombinant Mouse Diacylglycerol kinase alpha (Dgka)

Product Code	CSB-EP006832MO-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O88673
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	<p>MAKEKGLISP EDFAQLQKYI EYSTKRVS DV LKVFDDGEMN RFCQGDAIGY LGFEQFMKMY LEMEEVPHHL CWALFWSFHT SQVAAEKT KS KANVICLS DV YCYFTLLEGG RPEDKLEFTF KLYDMDRNGI LDSTEVEKII LQMMRVAEYL DWDVSELRPI LQEMMREMDQ DGSGSVSLDE WVRAGATTVP LLVLLGMDVT MKDDGNHIWR PKRFTRLVYC NLCEQSISLG KQGLSCNFCK YIVHDHCAMK AQPCEVSTYA KSRKDIGVQS HLWVRGGCHS GRCDRCQKKI RTYHSLTGLH CVWCHLEIHD DCLQAVGPEC DCGLLRDHIL PPCSIYPSVL VSGQECKHKT TDDTSLCTPE AFRIEVSNT HPLLVFINK SGGKQGQSVL WKFYILNPR QVFDLKDGP E PGLRFFKDVP QFRILVCGGD GTVGWVLETI DKANFATVPP VAVLPLGTGN DLARCLRWGR GYEGENLRKI LKDIELSKVV YLDRWFLEVI PQQNGEKSDP VPSQIINNYF SIGVDASIAH RFHLMREKYP EKFNSRMKNK LWYFEFATSE SIFSTCKKLE ESVTVEICGK LLDLSDSLSE GIAVLNIPST HGGSNLWGDT KRPHGDTCEI NQALGSAAKI ITDPDILKTC VPDMSDKRLE VVGIEGAIEM GQIYTRLKSA GHRLAKCSEI TFQTTKTLPM QIDGEPWMQA PCTIKITHKN QMPMLMGPPS NSYNFFGFWS</p>
Source	E.coli
Target Names	Dgka
Protein Names	Recommended name: Diacylglycerol kinase alpha Short name= DAG kinase alpha EC= 2.7.1.107 Alternative name(s): 80 kDa diacylglycerol kinase Diglyceride kinase alpha Short name= DGK-alpha
Expression Region	1-730
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 protein
Target Details	This protein belongs to the eukaryotic diacylglycerol kinase family. It acts as a modulator that competes with protein kinase C for the second messenger diacylglycerol in intracellular signaling pathways. It also plays an important role in the resynthesis of phosphatidylinositols and phosphorylating diacylglycerol to phosphatidic acid. Alternative splicing occurs at this locus and four transcript variants encoding the same protein have been identified.



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.