



# Recombinant Human Diacylglycerol kinase alpha (DGKA)

<b>Product Code</b>	CSB-EP006832HU-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P23743
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	<p>MAKERGLISP SDFACLQKYM EYSTKKVSDV LKLFEDGEMA KYVQGDAIGY  EGFQQFLKIY LEVDNVPRHL SLALFQSFET GHCLNETNVT KDVVCLNDVS  CYFSLLEGGR PEDKLEFTFK LYDTRNGIL DSSEVDKIIL QMMRVAEYLD  WDVSELRPIL QEMMKEIDYD GSGSVSQA EW VRAGATTVPL LVLLGLEMTL  KDDGQHMWRP KRFPRPVYCN LCESSIGLGK QGLSCNLCKY  TVHDQCAMKA LPCEVSTYAK SRKDIGVQSH VVVRGGCESG RCDRCQKKIR  IYHSLTGLHC VWCHLEIHDD CLQAVGHECD CGLLRDHILP PSSIYPSVLA  SGPDRKNSKT SQKTMDLNL STSEALRIDP VPNTHPLLVF VNPKSGGKQG  QRVLWKFQYI LNPRQVFNLL KDGPEIGLRL FKDVPSRIL VCGGDGTVGW  ILETIDKANL PVLPPVAVLP LGTGNDLARC LRWGGGYEGQ NLAKILKDLE  MSKVVHMDRW SVEVIPQQTE EKSDPVPFQI INNYFSIGVD ASIAHRFHIM  REKYPEKFNS RMKNKLWYFE FATSESIFST CKKLEESLTV EICGKPLDLS  NLSLEGIAVL NIPSMHGGSN LWGDTRRPHG DIYGINQALG ATAKVITDPD  ILKTCVPDLS DKRLEVVGLE GAIEMGQIYT KLKNAGRRLA KCSEITFHTT  KTLPMQIDGE PWMQTPCTIK ITHKNQMPML MGPPPRSTNF FGFLS</p>
<b>Source</b>	E.coli
<b>Target Names</b>	DGKA
<b>Protein Names</b>	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
<b>Expression Region</b>	1-735
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	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.



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**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.

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**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.