



# Recombinant Human Diacylglycerol kinase alpha (DGKA)

<b>Product Code</b>	CSB-EP006832HU
<b>Relevance</b>	Upon cell stimulation converts the second messenger diacylglycerol into phosphatidate, initiating the resynthesis of phosphatidylinositols and attenuating protein kinase C activity.
<b>Abbreviation</b>	Recombinant Human DGKA protein
<b>Storage</b>	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.
<b>Uniprot No.</b>	P23743
<b>Alias</b>	80 kDa diacylglycerol kinase Diglyceride kinase alpha
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥ 90% as determined by SDS-PAGE.
<b>Sequence</b>	MAKERGLISPSDFAQLQKYMEYSTKKVSDVLKLFEDGEMAKYVQGDAIGYEGF QQFLKIYLEVDNVPRHLSLALFQS FETGHCLNETNVTKD VVCLNDVSCYFSLLE GGRPEDKLEFTFKLYDTRNGILDSSEVDK IILQMMRVAEYLDWDVSEL RPILQ EMMKEIDYDGSGSVSQA EWVRAGATTVPLL VLLGLEMTLKDDGQHMWRPKR FPRPVYCNLCESSIGLGKQGLSCNLCKYTVHDQCAMKALPCEVSTYAKSRKDI GVQSHVWVRGGCESGRCDRCQKKIRIYHSLTGLHCVWCHLEIHDDCLQAVG HECDCGLLRDHILPPSSIYPSVLASGPDRKNSKTSQKTMDLNLSTSEALRIDP VPNTHPLL VFNPKSGGKQGRVLWK FQYILNPRQVFNLLKDGPEIGLRLFKD VPDSRILVCGGDGTGWILETIDKANLPVLPVAVLPLGTGNDLARCLRWGGG YEGQNLAKILKDLEMSKVHMDRWSVEVIPQQTEEKSDPVPFQIINNYFSIGVD ASIAHRFHIMREKYPEKFNSRMKNKLWYFEFATSE SIFSTCKKLEESLTVEICGK PLDLSNLSLEGIAVLNIPSMHGGSNLWGDTRRPHGDIYGINQALGATAKVITDP DILKTCVPDLSDKRLEVVGLEGA IEMGQIYTKLKNAGRRLAKCSEITFH TTKTLP MQIDGEPWMQTPCTIKITHKNQMPMLMGPPPRSTNFFGFLS
<b>Research Area</b>	Signal Transduction
<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>	1-735aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

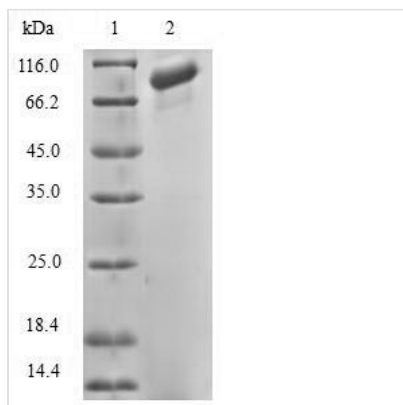


**Tag Info** N-terminal 6XHis-tagged

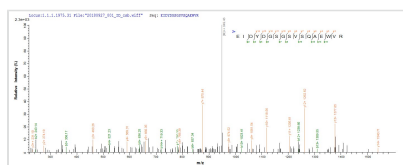
**Mol. Weight** 86.6kDa

**Protein Length** Full Length

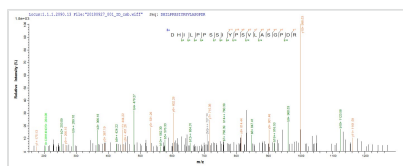
**Image**



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP006832HU could indicate that this peptide derived from E.coli-expressed Homo sapiens (Human) DGKA.



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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.

**Shelf Life**

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