

Recombinant Human DGKA Protein (1-735 aa), His-tagged

Cat. No. DGKA-2096H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DGKA Protein (1-735 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Signal Transduction. Protein Description: Full Length.
Species	Human
Source	E.coli
ProteinLength	1-735 aa
Description	Upon cell stimulation converts the second messenger diacylglycerol into phosphatidate, initiating the resynthesis of phosphatidylinositols and attenuating protein kinase C activity.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	86.6 kDa
AA Sequence	MAKERGLISPSDFAQLQKYMEYSTKKVSDVLKLFEDGEMAKYVQGDAIGYEGFQQF LKIYLEVDNVPRHLSLALFQSFETGHCLNETNVTKDVVCLNDVSCYFSLLEGGRPED KLEFTFKLYDTRNGILDSSEVDKILQMMRVAEYLDWDVSELRPILQEMMKEIDYDG SGSVSQAEEWVRAGATTVP LLVLLGLEMTLKDDGQHMWRPKRFPRPVYCNLCESI GLGKQGLSCNLCKYTVHDQCAMKALPCEVSTYAKSRKDIGVQSHVWVRGGCESGR CDRCQKKIRIYHSLTGLHCVWCHLEIHDDCLQAVGHECDCGLLRDHILPPSSIYPSVL ASGPDRKNSKTSQKTMDLNLSTSEALRIDPVPNTHPLLVFVNPKSGGKQGQRVLW

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KFQYILNPRQVFNLLKDGPEIGLRLFKDVPDSRILVCGGDGTVGWILETIDKANLPVLP
 PVAVLPLGTGNDLARCLRWGGGYEGQNLAKILKDLEMSKVVHMDRWSVEVIPQQT
 EEKSDPVPFQIINNYFSIGVDASIAHRFHIMREKYPEKFNSRMKNKLWYFEFATSESIF
 STCKKLEESLTVEICGKPLDLSNLSLEGIAVLNIPSMHGGSNLWGDTRRPHGDIYGIN
 QALGATAKVITDPDILKTCVPDLSDKRLEVVGLEGAITEMGQIYTKLKNAGRRLAKCSEI
 TFHTTKTLPMQIDGEPWMQTPCTIKITHKNQMPMLMGPPPRSTNFFGFLS

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage 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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name DGKA diacylglycerol kinase, alpha 80kDa [Homo sapiens]

Official Symbol DGKA

Synonyms DGKA; DGK alpha; DAG kinase alpha; DAGK; DAGK1; DGK-alpha; MGC12821; MGC42356;

Gene ID 1606

mRNA Refseq NM_001345

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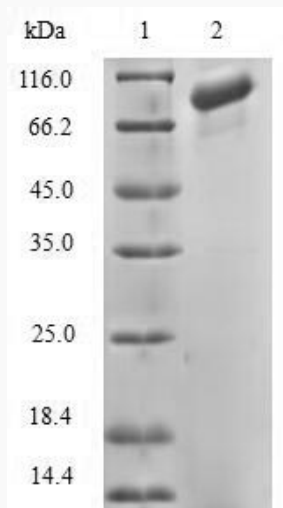
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Protein Refseq NP_001336

MIM 125855

UniProt ID P23743



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

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