

Recombinant Human DGKA Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. DGKA-1056H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DGKA MS Standard C13 and N15-labeled recombinant protein (NP_001336) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene 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. Several transcript variants encoding different isoforms have been identified for this gene.
Molecular Mass	82.5 kDa
AA Sequence	MAKERGLISPSDFAQLQKYMEYSTKKVSDVLKLFEDGEMAKYVQGDAIGYEGFQQF LKIYLEVDNVPRHLSLALFQSFETGHCLNETNVT KDVVCLNDVSCYFSLLEGGRPED KLEFTFKLYDTRNGILDSSEVDKIILQMMRVAEYLDWDVSELRPILQEMMKEIDYDG SGSVSQA EWVRAGATTVPLLVLGLEM TLKDDGQHMWRPKRFRPVYCNLCESI GLGKQGLSCNLCKYTVHDQCAMKALPCEVSTYAKSRKDIGVQSHVWVRGGCESGR CDRCQKKIRIYHSLTGLHCVWCHLEIHDDCLQAVGHECDCGLLRDHILPPSSIYPSVL ASGPDRKNSKTSQKTMDLNLSTSEALRIDPVPNTHPLLVFVNPKSGGKQGQQRVLW

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

KFQYILNPRQVFNLLKDGPEIGLRLFKDVPDSRILVCGGDGTVGWILETIDKANLPVLP
 PVAVLPLGTGNDLARCLRWGGGYEGQNLAKILKDLEMSKVHMDRWSVEVIPQQT
 EEKSDPVPFQIINNYFSIGVDASIAHRFHIMREKYPEKFNSRMKNKLWYFEFATSESIF
 STCKKLEESLTVEICGKPLDLSNLSLEGIAVLNIPSMHGGSNLWGDTRRPHGDIYGIN
 QALGATAKVITDPDILKTCVPDLSDKRLEVVGLEGAITEMGQIYTKLKNAGRRLAKCSEI
 TFHTTKTLPMQIDGEPWMQTPCTIKITHKNQMPMLMGPPPRSTNFFGFLSTRTRPLE
 QKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name DGKA diacylglycerol kinase alpha [Homo sapiens (human)]

Official Symbol DGKA

Synonyms DGKA; diacylglycerol kinase, alpha 80kDa; DAGK, DAGK1, diacylglycerol kinase, alpha (80kD); diacylglycerol kinase alpha; DGK alpha; DAG kinase alpha; diglyceride kinase alpha; 80 kDa diacylglycerol kinase; DAGK; DAGK1; DGK-alpha; MGC12821; MGC42356;

Gene ID 1606

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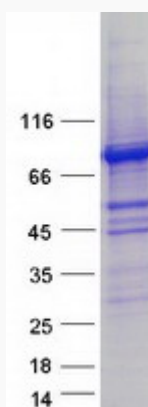
mRNA Refseq NM_001345

Protein Refseq NP_001336

MIM 125855

UniProt ID P23743

SDS-PAGE



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