

Recombinant Full Length Human DGKA Protein, GST-tagged

Cat. No. DGKA-2496HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DGKA full-length ORF (AAH31870, 1 a.a. - 735 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	735 amino acids
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. [provided by RefSeq, Apr 2017]
Molecular Mass	106.37 kDa
AA Sequence	MAKERGLISPSDFAQLQKYMEYSTKKVSDVLKLFEDGEMAKYVQGDAIGYEGFQQF LKIYLEVDNVPRHLSLALFQSFETGHCLNETNVTKDVVCLNDVSCYFSLLEGGRPED KLEFTFKLYDTRNGILDSSEVDKIILQMMRVAEYLDWDVSELRPILQEMMKEIDYDG SGSVSQA EWVRAGATTVPLLVLGLEM TLKDDGQH MWRPKRFPRPVYCNLC ESSI GLGKQGLSCNLCKYTVDHQCAMKALPCEVSTYAKSRKDIGVQSHVWVRGGCESGR CDRCQKKIRIYHSLTGLHCVWCHLEIHDDCLQAVGHECDCGLLRDHILPPSSIYPSVL ASGPDRKNSKTSQKTMDLNLSTSEALRIDPVPNTHPLLVFVNPKSGGKQGQ RVLW

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KFQYILNPRQVFNLLKDGPEIGLRLFKDVPDSRILVCGGDGTVGWILETIDKANLPVLP
 PVAVLPLGTGNDLARCLRWGGGYEGQNLAKILKDLEMSKVVHMDRWSVEVIPQQT
 EEKSDPVPFQIINNYFSIGVDASIAHRFYIMREKYPEKFNSRMKNKLWYFEFATSESIF
 STCKKLEESLTVEICGKPLDLSNLSLEGIAVLNIPSMHGGSNLWGDTRRPHGDIYGIN
 QALGATAKVITDPDILKTCVPDLSDKRLEVVGLEGAITEMGQIYTKLKNAGRRLAKCSEI
 TFHTTKTLPMQIDGEPWVQTPCTIKITHKNQMPMLMGPPPRSTNFFGFLS

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

DGKA diacylglycerol kinase, alpha 80kDa [Homo sapiens]

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

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