

Recombinant Full Length Human DGKA Protein

Cat. No. DGKA-125HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human DGKA with N terminal proprietary tag; Predicted MWt 106.96 kDa including the tag.
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. Alternative splicing occurs at this locus and four transcript variants encoding the same protein have been identified.
Form	Liquid
Molecular Mass	106.960kDa inclusive of tags
AA Sequence	MAKERGLISPSDFAQLQKYMEYSTKKVSDVLKLFEDGEMA KYVQGDAIGYEGFQQF LKIYLEVDNVPRHLSLALFQSFET GHCLNETNVTKDVVCLNDVSCYFSLLEGGRPED KLEFTFK LYDTRNGILDSSEVDKILQMMRVAEYLDWDVSELRPIL QEMMKEIDYD GSGSVSQA EWVRAGATTVP LLVLLGLEMTL KDDGQHMWRPKRFP RPVYCNLCES SIGLGKQGLSCNLCKY TVHDQCAMKALPCEVSTYAKSRKDIGVQSHVWVRGGCES

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G RCDRCQKKIRIYHSLTGLHCVWCHLEIHDDCLQAVGHECD CGLLRDHILPPSSIYP
SVLASGPDRKNSKTSQKTMDLNL STSEALRIDPVPNTHPLLVFVNPKSGGKQGQR
VLWKFQYI LNPRQVFNLLKDGPEIGLRLFKDVPDSRILVCGGDGTVGW ILETIDKAN
LPVLPPVAVLPLGTGNDLARCLRWGGGYEGQ NLAKILKDLEMSKVVMHMDRWSVEVI
PQQTEEKSDPVPFQI INNYFSIGVDASIAHRFYIMREKYPEKFNSRMKNKLWYFE FA
TSESIFSTCKKLEESLTVEICGKPLDLSNLSLEGIAVL NIPSMHGGSNLWGDTRRPHG
DIYGINQALGATAKVITDPD ILKTCVPDLSDKRLEVVGLEGAIEMGQIYTKLKNAGRRL
A KCSEITFHTTKTLPMQIDGEPWVQTPCTIKITHKNQMPML MGPPPRSTNFFGFLS

Purity Proprietary Purification

Storage Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

Storage Buffer pH: 8.00. Constituents: 0.79% Tris HCl, 0.31% Glutathione.

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

Gene ID 1606

mRNA Refseq NM_001345

Protein Refseq NP_001336

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MIM	125855
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UniProt ID	P23743
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