

Recombinant Full Length Human DGKE Protein

Cat. No. DGKE-2497HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DGKE full-length ORF (ADR83069.1) recombinant protein without tag.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	177 amino acids
Description	Diacylglycerol kinases are thought to be involved mainly in the regeneration of phosphatidylinositol (PI) from diacylglycerol in the PI-cycle during cell signal transduction. When expressed in mammalian cells, DGK-epsilon shows specificity for arachidonyl-containing diacylglycerol. DGK-epsilon is expressed predominantly in testis. [provided by RefSeq, Jul 2008]
Form	Liquid
Molecular Mass	62.4 kDa
AA Sequence	<p>MEAERRPAPGSPSEGLFADGHLILWTLCSVLLPVFITFWCSLQRSRRQLHRRDIFRK SKHGWRTDLFSQPTYCCVCAQHILQGAFCDCCGLRVDEGCLRKADKRFQCKEIM LKNDTKVLDAMPHHWIRGNVPLCSYCMVCKQQCGCQPKLCDYRCIWCQKT VHDEC MKNSLKNEKCDFGEFKNLIIPPSYLTSINQMRKDKKTDYEVLASKLGKQWTP LIILANS RSGTNMGEGLLGEFRILLNPVQVFDVTKTPPIKALQLCTLLPYYSARVLVCGGDGTV GWVLDVDDMKIKGQEKYIPQVAVLPLGTGNDLSNTLGWGTGYAGEIPVAQVLRNV MEADGIKLDRWKVQVTNKGYYNLRKPKFTMNNYFSVGPDALMALNFHAHREKAP</p>

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SLFSSRILNKAVYLFYGTKDCLVQECKDLNKKVELELDGERVALPSLEGIIVLNIGYWG
 GGCRLWEGMGDETYPLARHDDGLLEVGVYGSFHCAQIQVKLANPFRIGQAHTVR
 LILKCSMMPMQVDGEPWAQGPCTVTITHKTHAMMLYFSGEQTDDDISSTSDQEDIK
 ATE

Applications	Antibody Production Functional Study Compound Screening
Usage	Heating may cause protein aggregation. Please do not heat this product before electrophoresis.
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	25 mM Tris-HCl of pH8.0 containing 2% glycerol.

GENE INFORMATION

Gene Name	DGKE diacylglycerol kinase, epsilon 64kDa [Homo sapiens]
Official Symbol	DGKE
Synonyms	DGKE; diacylglycerol kinase, epsilon 64kDa; diacylglycerol kinase, epsilon (64kD); diacylglycerol kinase epsilon; DAGK6; DGK; DGK-epsilon; DAG kinase epsilon; diglyceride kinase epsilon; DAGK5;
Gene ID	8526
mRNA Refseq	NM_003647

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Protein Refseq NP_003638

MIM 601440

UniProt ID P52429

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