

# Recombinant Full Length Human DGKZ Protein, C-Flag-tagged

Cat. No. DGKZ-542HFL Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Human DGKZ Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>Description</b>	The protein encoded by this gene belongs to the eukaryotic diacylglycerol kinase family. It may attenuate protein kinase C activity by regulating diacylglycerol levels in intracellular signaling cascade and signal transduction. Alternative splicing occurs at this locus and multiple transcript variants encoding distinct isoforms have been identified.
<b>Form</b>	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	103.9 kDa
<b>AA Sequence</b>	MEPRDGSPEARSSDSESASASSSGSERDAGPEPDKAPRRLNKRRFPGLRFLGHRK AITKSLQLHLAPPPP TPGAPCSESERQIRSTVDWSEATYGEHIWFETNVSGDFCY VGEQYCVARMLQKSVSRRKCAACKIVVHT PCIEQLEKINFRCKPSFRESGSRNVRE PTFVRHHWVHRRRQDGKCRHCGKGFQKFTFHSKEIVAISCSW CKQAYHSHKVS FMLQQIEEPCSLGVHAAVVIPPTWILRARRPQNTLKASKKKKRASFKRKSSKKGPEE GR WRPFIIRPTPSPLMKPLLVFVNPKSGGNQGAKIIQSFLWYLNPRQVFDLSQGGP KEALEMYRKVHNLRL ACGGDGTVGWILSTLDQLRLKPPPPVAILPLGTGNDLARTL NWGGGYTDEPVSKILSHVEEGNVVQLDRW DLHAEPNPEAGPEDRDEGATDRLPL

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DVFNNYFSLGFDAHVTLFHEHESREANPEKFNSRFRNKMFIYAGTAF SDFLMGSSKDL  
 AKHIRVVCDGMDLTPKIQDLKPKCVVFLNIPRYCAGTMPWGHGPEHDFEPQRHDD  
 GYL EVIGFTMTSLAALQVGGHGERLTQCREVVLTTSKAIPVQVDGEPCKLAASRIRIA  
 LRNQATMVQKAKRRS AAPLHSDQQPVPEQLRIQVSRVSMHDYEALHYDKEQLKEA  
 SVPLGTVVVPGDSDLELCRAHIERLQQEPD GAGAKSPTCQKLSPKWCFLDATTASR  
 FYRIDRAQEHLNYVTEIAQDEIYILDPELLGASARPDLPPTPTSP LPTSPCSPTPRSLQ  
 GDAAPPQGEELIEAAKRNDFCCKLQELHRAGGDLMHRDEQSRTLLHHAVSTGSKDVV  
 RYLLDHAPPEILDAVEENGETCLHQAAALGQRTICHYIVEAGASLMKTDQQGDTPRQ  
 RAEKAQDTELAAY  
 LENRQHYQMIQREDQETAVTRTRPLEQKLISEEDLAANDILDYKDDDDKV

<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining.
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade.
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method.
<b>Preparation</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Protein Families</b>	Druggable Genome
<b>Protein Pathways</b>	Glycerolipid metabolism, Glycerophospholipid metabolism, Metabolic pathways, Phosphatidylinositol signaling system
<b>Full Length</b>	Full L.

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## GENE INFORMATION

**Gene Name** DGKZ diacylglycerol kinase zeta [ Homo sapiens (human) ]

**Official Symbol** DGKZ

**Synonyms** DAGK5; DAGK6; DGK-ZETA; hDGKzeta

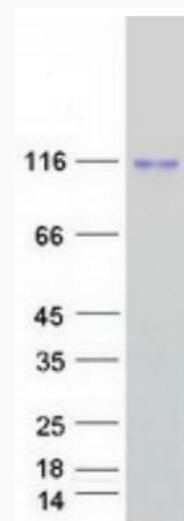
**Gene ID** 8525

**mRNA Refseq** NM\_003646.4

**Protein Refseq** NP\_003637.2

**MIM** 601441

**UniProt ID** Q13574



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Coomassie blue staining of purified DGKZ protein.

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