

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

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

SPECIFICATION

Product Overview	Recombinant Full Length Human DGKZ Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	103.9 kDa
AA Sequence	MEPRDGSPEARSSDSESASASSSGSERDAGPEPDKAPRRLNKRRFPGLRFLGHRK AITKSGLQHLAPPPP TPGAPCSESERQIRSTVDWSESATYGEHIWFETNVSGDFCY VGEQYCVARMLQKSVSRRKCAACKIVVHT PCIEQLEKINFRCKPSFRESGSRNVRE PTFVRHHWVHRRRQDGKCRHCGKGFQKFTFHSKEIVAISCSW CKQAYHSHKVS FMLQQIEEPCSLGVHAAVVIPPTWILRARRPQNTLKASKKKKRASFKRKSSKKGPEE GR WRPFIIRPTPSPLMKPLLVFVNPKSGGNQGAKIIQSFLWYLNPRQVFDLSQGGP KEALEMYRKVHNLRL ACGGDGTGVWILSTLDQLRLKPPPPVAILPLGTGNDLARTL NWGGGYTDEPVSKILSHVEEGNVVQLDRW DLHAEPNPEAGPEDRDEGATDRLPL

 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

DVFNNYFSLGFDAAHVTLFESREANPEKFNSRFRNKMFIYAGTAF SDFLMGSSKDL
 AKHIRVVCDGMDLTPKIQDLKPKCVVFLNIPRYCAGTMPWGHHPGEHHDFFPQRHDD
 GYL EVIGFTMTSLAALQVGGHGERLTQCREVVLTTSKAIPVQVDGEPCKLAASRIRIA
 LRNQATMVQKAKRRS AAPLHSDQQPVPEQLRIQVSRVSMHDYEALHYDKEQLKEA
 SVPLGTVVVPGDSDLELCRAHIERLQQEPD GAGAKSPTCQKLSPKWCFLDATTASR
 FYRIDRAQEHLNYVTEIAQDEIYILDPELLGASARPDLPPTSP LPTSPCSPTPRSLQ
 GDAAPPQGEELIEAAKRNDFFCKLQELHRAGGDLHRDEQSRTLLHHAVSTGSKDVV
 RYLLDHAPPEILDAVEENGETCLHQAAALGQRTICHYIVEAGASLMKTDQQGDTPRQ
 RAEKAQDTELAAY
 LENRQHYQMIQREDQETAVTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

GENE INFORMATION

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

Official Symbol [DGKZ](#)

Synonyms DAGK5; DAGK6; DGK-ZETA; hDGKzeta

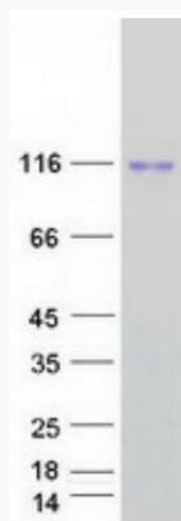
Gene ID [8525](#)

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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