

Recombinant Human DGKZ Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. DGKZ-3295H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DGKZ MS Standard C13 and N15-labeled recombinant protein (NP_003637) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	104.1 kDa
AA Sequence	MEPRDGSPEARSSDSESASASSSGSERDAGPEPDKAPRRLNKRFPGLRFLGHRK AITKSGLQHLAPPPPTPGAPCSESERQIRSTVDWSESATYGEHIWFETNVSGDFCYV GEQYCVARMLQKSVSRRKCAACKIVVHTPCIEQLEKINFRCKPSFRESGSRNVREPT FVRHHWVHRRRQDGKCRHCGKGFQKFTFHSKEIVAISCSWCKQAYHSKVSCFML QQIEEPCSLGVHAAVVIPPTWILRARRPQNTLKASKKKKRASFKRKSSKKGP EEGR WRPFIIRPTPSPLMKPLLVFVNPKSGGNQGAKIIQSFLWYLNPRQVFDLSQGGPKEA LEMYRKVHNLRLACGGDGTGVWILSTLDQLRLKPPPPVAILPLGTGNDLARTLNWG GGYTDEPVSKILSHVEEGNVVQLDRWDLHAEPNPEAGPEDRDEGATDRLPLDVFN

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NYFSLGFDHVTLEFHESREANPEKFNSRFRNKMFYAGTAFSDFLMGSSKDLAKHI
 RVVCDGMDLTPKIQDLKPKCVVFLNIPRYCAGTMPWGHHPGEHDFEPQRHDDGYL
 EVIGFTMTSLAALQVGGHGERLTQCREVVLTTSKAIPVQVDGEPCKLAASRIRIALRN
 QATMVQKAKRRSAAPLHSDQQPVPEQLRIQVSRVSMHDYEALHYDKEQLKEASVPL
 GTVVVPGDSLELCRAHIERLQQEPDGAGAKSPTCQKLSPKWCFLDATTASRFYRI
 DRAQEHLNYVTEIAQDEIYILDPELLGASARPDLPPTSPPTSPCSPTPRSLQGDA
 PPQGEELIEAAKRND FCKLQELHRAGGDL MHRDEQSRTLLH HAVSTGSKDVVRYLL
 DHAPPEILDAVEENGETCLHQAAALGQRTICHYIVEAGASLMKTDQQGDTPRQRAE
 KAQDTELAAYLENRQHYQMIQREDQETAVTRTRPLEQKLISEEDLAANDILDYKDDD
 DKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

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

Official Symbol DGKZ

Synonyms DGKZ; diacylglycerol kinase, zeta; diacylglycerol kinase, zeta 104kDa; diacylglycerol kinase zeta; DAGK5; DAGK6; DGK ZETA; hDGKzeta; DAG kinase zeta; diglyceride kinase zeta; DGK-ZETA;

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Gene ID	8525
mRNA Refseq	NM_003646
Protein Refseq	NP_003637
MIM	601441
UniProt ID	Q13574
SDS-PAGE	