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	MEPRDGSPEARSSDSESASASSSGSERDAGPEPDKAPRRLNKRRFPGLRLFGHRK AITKSGLQHLAPPPPTPGAPCSESERQIRSTVDWSESATYGEHIWFETNVSGDFCYV GEQYCVARMLQKSVSRRKCAACKIVVHTPCIEQLEKINFRCKPSFRESGSRNVREPT FVRHHWVHRRRQDGKCRHCGKGFQQKFTFHSKEIVAISCSWCKQAYHSKVSCFML QQIEEPCSLGVHAAVVIPPTWILRARRPQNTLKASKKKKRASFKRKSSKKGPEEGR WRPFIIRPTPSPLMKPLLVFVNPKSGGNQGAKIIQSFLWYLNPRQVFDLSQGGPKEA LEMYRKVHNLRILACGGDGTVGWILSTLDQLRLKPPPPVAILPLGTGNDLARTLNWG GGYTDEPVSKILSHVEEGNVVQLDRWDLHAEPNPEAGPEDRDEGATDRLPLDVFN

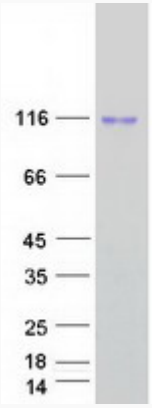
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45-1 Ramsey Road, Shirley, NY 11967, USA

	NYFSLGFDAHVTLEFHESREANPEKFNSRFRNKMFYAGTAFSDFLMGSSKDLAKHI RVVCDGMDLTPKIQDLKPKCVVFLNIPRYCAGTMPWGHPGEHHDFEPQRHDDGYL EVIGFTMTSLAALQVGGHGERLTQCREVVLTTSKAIPVQVDGEPCKLAASRIRIALRN QATMVQKAKRRSAAPLHSDQQPVPEQLRIQVSRVSMHDYEALHYDKEQLKEASVPL GTVVVPGDSDLELCRAHIERLQQEPDGAGAKSPTCQKLSPKWCFLDATTASRFYRI DRAQEHLNYVTEIAQDEIYILDPELLGASARPDLPTPTSPLPTSPCSPTPRSLQGDAA PPQGEELIEAAKRNDFCKLQELHRAGGDLMHRDEQSRTLLHHAVSTGSKDVVRYLL 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	

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