

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

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

## SPECIFICATION

<b>Product Overview</b>	DGKZ MS Standard C13 and N15-labeled recombinant protein (NP_003637) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<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>Molecular Mass</b>	104.1 kDa
<b>AA Sequence</b>	MEPRDGSPEARSSDSESASASSSGSERDAGPEPDKAPRRLNKRFRPGLRFLGHRK AITKSQLQHLAPPPPTPGAPCSESERQIRSTVDWSESATYGEHIWFETNVSGDFCYV GEQYCVARMLQKSVSRRKCAACKIVVHTPCIEQLEKINFRCKPSFRESGSRNVREPT FVRHHWVHRRRQDGKCRHCGKGFQQKFTFHSKEIVAISCSWCKQAYHSKVSCFML QQIEEPCSLGVHAAVVIPPTWILRARRPQNTLKASKKKKRASFKRKSSKKGPEEGR WRPFIIRPTPSPLMKPLLVFVNPKSGGNQGAKIIQSFLWYLNPRQVFDLSQGGPKEA LEMYRKVHNLRLACGGDGTVGWILSTLDQLRLKPPPPVAILPLGTGNDLARTLNWG GGYTDEPVSKILSHVEEGNVVQLDRWDLHAEPNPEAGPEDRDEGATDRLPLDVFN

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NYFSLGFDAHVTLFHFESREANPEKFNSRFRNKM FYAGTAFSDFLMGSSKDLAKHI  
 RVVCDGMDLTPKIQDLKPKCVVFLNIPRYCAGTMPWGHHPGEHDFEQRHDDGYL  
 EVIGFTMTSLAALQVGGHGERLTQCREVVLTTSKAIPVQVDGEPCKLAASRIRIALRN  
 QATMVQKAKRRSAAPLHSDQQPVPEQLRIQVSRVSMHDYEALHYDKEQLKEASVPL  
 GTVVVPGDSDLELCRAHIERLQQEPDGAGAKSPTCQKLSPKWCFLDATTASRFYRI  
 DRAQEHLNYVTEIAQDEIYILDPELLGASARPDLPPTSPSPTPRSLQGDA  
 PPQGEELIEAAKRND FCKLQELHRAGGDL MHRDEQSRTLLHHAVSTGSKDVVRYLL  
 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

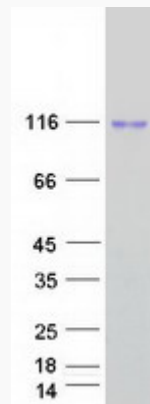
**mRNA Refseq** NM\_003646

**Protein Refseq** NP\_003637

**MIM** 601441

**UniProt ID** Q13574

**SDS-PAGE**



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