

Recombinant Full Length Human DGKZ Protein, GST-tagged

Cat. No. DGKZ-2508HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DGKZ full-length ORF (AAH41770.1, 1 a.a. - 929 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	929 amino acids
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. [provided by RefSeq, Nov 2010]
Molecular Mass	130.5 kDa
AA Sequence	MEPRDGSPEARSSDSESASASSSGSERDAGPEPDKAPRRLNKRRFPGLRFLGHRK AITKSLQLHLAPPPPTPGAPCSESERQIRSTVDWSESATYGEHIWFETNVSGDFCYV GEQYCVARMLQKSVSRRKCAACKIVVHTPCIEQLEKINFRCKPSFRESGSRNVREPT FVRHHWVHRRRQDGKCRHCGKGFQKFTFHSKEIVAISCSWCKQAYHSKVSCFML QQIEEPCSLGVHAAVVIPPTWILRARRPQNTLKASKKKKRASFKRKSSKKGP EEGR WRPFIIRPTPSPLMKPLLVFVNPKSGGNQGAIIQSFLWYLNPRQVFDLSQGGPKEA LEMYRKVHNLRLACGGDGTVGWILSTLDQLRLKPPPPVAILPLGTGNDLARTLNWG GGYTDEPVSKILSHVEEGNVVQLDRWDLHAEPNPEAGPEDRDEGATDRLPLDVFN

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NYFSLGFDHVTLEFHESREANPEKFNSRFRNKM FYAGTAFSDFLMGSSKDLAKHI
 RVVCDGMDLTPKIQDLKPKCVVFLNIPRYCAGTMPWGHHPGEHHD FEPQRHDDGYL
 EVIGFTMTSLAALQVGGHGERLTQCREVVLTTSKAIPVQVDGEPCKLAASRIRIALRN
 QATMVQKAKRRSAAPLHSDQQPVPEQLRIQVSRVSMHDYEALHYDKEQLKEASVPL
 GTVVVPGDSLELCRAHIERLQQEPDGAGAKSPTCQKLSPKWCFLDATTASRFYRI
 DRAQEHLN YVTEIAQDEIYILDPELLGASARPDLP TPTSPLPTSPCSPTPRSLQGDA
 PPQGEELIEAAKRND FCKLQELHRAGGDL MHRDEQSRTLLH HAVSTGSKDVVRYLL
 DHAPPEILD AVEENGETCLHQAAALGQRTICHYIVEAGASLMKTDQQGDTPRQRAE
 KAQDTELAAYLENRQHYQMIQREDQETAV

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

DGKZ diacylglycerol kinase, zeta [Homo sapiens]

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_001105540
Protein Refseq	NP_001099010
MIM	601441
UniProt ID	Q13574

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