

Product datasheet for TP305327L

DGKZ (NM_003646) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human diacylglycerol kinase, zeta 104kDa (DGKZ), transcript variant 2, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC205327 protein sequence Red=Cloning site Green=Tags(s)

MEPRDGSPEARSSDSESASASSSGSERDAGPEPDKAPRRLNKRFPGLRFLGHRKAITKSGLQHLAPPPP
TPGAPCSESERQIRSTVDWSESATYGEHIWFETNVSGDFCYVGEQYCVARMLQKSVSRRKCAACKIVVHT
PCIEQLEKINFRCKPSFRESGSRNVREPTFVRHHWVHRRRQDGKCRHCGKGFQKFTFHSKEIVAISCSW
CKQAYHSKVSFCMLQQIEEPCSLGVHAADVIPPTWILRARRPQNTLKASKKKKRASFRRKSSKKGPEEGR
WRPFIIRPTSPMLKPLLVFVNPKSGGNQGAIIQSFLWYLNPRQVFDLSQGGPKEALEMYRKVHNLRL
ACGGDGTVGWILSTLDQLRLKPPPPVAILPLGTGNDLARTLNWGGGYTDEPVSKILSHVEEGNVVQLDRW
DLHAEPNPEAGPEDRDEGATDRLPLDVFNNYFSLGFDAAVHTLEFHESREANPEKFNSRFRNKMFYAGTAF
SDFLMGSSKDLAKHIRVCDGMDLTPKIQDLKPKCVFLNIPRYCAGTMPWGHGPHGEHDFEPQRHDDGYL
EVIGFTMTSLAALQVGGHGERLTQCREWLTTSKAIPVQVDGEPCKLAASRIRIALRNQATMVQKAKRRS
AAPLHSDQQPVPEQLRIQVSRVSMHDYEALHYDKEQLKEASVPLGTVVVPGDSDLELCRAHIERLQQEPD
GAGAKSPTCQKLSPKWCFLDATTASRFYRIDRAQEHLNYVTEIAQDEIYILDPELLGASARPDLPPTSP
LPTSPCSPTPRSLQGDAAPPQGEELIEAAKRNDFCKLQELHRAGDLMHRDEQSRTLLHHAVSTGSKDW
RYLLDHAPPEILDAVEENGETCLHQAAALGQRTICHYIVEAGASLMKTDQQGDTPRQRAEKAQDTELAAY
LENRQHYQMIQREDQETAV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	103.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_003637
Locus ID:	8525
UniProt ID:	Q13574
RefSeq Size:	3659
Cytogenetics:	11p11.2
RefSeq ORF:	2787
Synonyms:	DAGK5; DAGK6; DGK-ZETA; hDGKzeta
Summary:	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]
Protein Families:	Druggable Genome
Protein Pathways:	Glycerolipid metabolism, Glycerophospholipid metabolism, Metabolic pathways, Phosphatidylinositol signaling system

Product images:



Coomassie blue staining of purified DGKZ protein (Cat# [TP305327]). The protein was produced from HEK293T cells transfected with DGKZ cDNA clone (Cat# [RC205327]) using MegaTran 2.0 (Cat# [TT210002]).