

## Product datasheet for **TP324710L**

### DGKG (NM\_001080744) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human diacylglycerol kinase, gamma 90kDa (DGKG), transcript variant 2, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC224710 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MGEERWVSLTPEEFDQLQKYSEYSSKKIKDALTEFNEGGSLKQYDPHEPISYDVFKLFMRAYLEVLDLPQP  
LSTHLFLAFSQKPRHETSDHPTEGASNSEANSADTNIQNADNATKADEACAPDTESNMAEQAPAEDQVA  
ATPLEPPVPRSSSESPVVYLKDVVVCYLSLLETGRPQDKLEFMFRLYDSDENGLLDQAEMDCIVNQMLHI  
AQYLEWDPTELRPILKEMLQGMDYDRDGFVSLQEWVHGGMTTIPLLVLLGMDDSGSKGDGRHAWTMKHFH  
KPTYCNFCHIMLMGVRKQGLCCTYCKYTVHERCVSRNIPGCVKTYSKAKRSGEVMQHAWVEGNSSVKCDR  
CHKSIKCYQSVTARHCVWCRMTFHRKCELSTLCDGGELRDHILLPTSICPITRDRPGEKSDGCVSAKDEL  
VMQYKIIPGTHPLLVLVNPKSGGRQGERLNFFRDTPDFRVLACGGDGTGWILDICIDKANFAKHPPVA  
VLPLGTGNDLARCLRWGGGYEGGSLTKILKDIEQSPLVMLDRWHLEVIPREEVENDQVPYSIMNNYFSI  
GVDASIAHRFHVMREKHPEKFNSRMKNKLWYFEFGTSETFAATCKKLHDHIELECDGVDLSNIFLEGI  
AILNIPSMYGGTNLWGENKKNRAVIRESRKGVTDPKELKFCVQDLSDQLLEVGLGAMEMGQIYTGLKS  
AGRRLAQCASVTIRTNKLPMQVDGEPWMQPCCCTIKITHKNQAPMMMPPQKSSFFSLRRKRSKDK

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

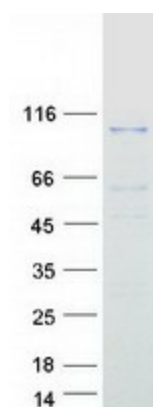
Tag:	C-Myc/DDK
Predicted MW:	86.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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.



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<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_001074213</a>
<b>Locus ID:</b>	1608
<b>UniProt ID:</b>	<a href="#">P49619</a>
<b>RefSeq Size:</b>	5743
<b>Cytogenetics:</b>	3q27.2-q27.3
<b>RefSeq ORF:</b>	2298
<b>Synonyms:</b>	DAGK3; DGK-GAMMA
<b>Summary:</b>	This gene encodes an enzyme that is a member of the type I subfamily of diacylglycerol kinases, which are involved in lipid metabolism. These enzymes generate phosphatidic acid by catalyzing the phosphorylation of diacylglycerol, a fundamental lipid second messenger that activates numerous proteins, including protein kinase C isoforms, Ras guanyl nucleotide-releasing proteins and some transient receptor potential channels. Diacylglycerol kinase gamma has been implicated in cell cycle regulation and in the negative regulation of macrophage differentiation in leukemia cells. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Glycerolipid metabolism, Glycerophospholipid metabolism, Metabolic pathways, Phosphatidylinositol signaling system

### Product images:



Coomassie blue staining of purified DGKG protein (Cat# [TP324710]). The protein was produced from HEK293T cells transfected with DGKG cDNA clone (Cat# [RC224710]) using MegaTran 2.0 (Cat# [TT210002]).