

Product datasheet for **TP319587**

DGKI (NM_004717) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens diacylglycerol kinase, iota (DGKI), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC219587 representing NM_004717 Red =Cloning site Green =Tags(s)

MDAAGRGCHLLPLPAARGPARAPAAAAAASPPGPCSGAACAPSAAAGAGAMNPSSSAGEEKGATGGSS
SSGSGAGSCCLGAEGGADPRGAGSAAAAGAAALDEPAAAGQKEKDEALEEKLRNLTRKQVSYRKAISRA
GLQHLAPAHPLSLPVANGPAKEPRATLDWSENAVNGEHLWLETNVSGDLCYLGEENCQVRFKALSRRKC
AVCKIVVHTACIEQLEKINFRCKPTFREGGSRSPRENFVRHHWVHRRRQEGKCKQCGKGFQKQKFSFHSKE
IVAISCSWCKQAFHNKVTFCMLHHIEEPCSLGAHAIVPPTWIIKVKKPQNSLKASNRKKKRTSFKRKA
SKRGMEQENKGRPFVIKPISSPLMKPLLVFVNPKSGGNQGTKVLQFMWYLNPRQVFDLSQEGPKDALEL
YRKVPNLRILACGGDGTWILSILDELQLSPQPPVGLPLGTGNDLARTLNWGGGYTDEPVSILCQVE
DGTVVQLDRWNLHVERNPDLPPEELEDGVCKLPLNVFNFFSLGFDAHVTEFHESEANPEKFNFRN
KMFYAGAAFSDFLQRSSRDLKHKVVCVCDGTLTPKIQELKFCIVFLNIPRYCAGTMPWGNPGDHHDFE
PQRHDDGYIEVIGFTMASLAALQVGGHGERLHQCREVMLLTYKSIPMQVDGECRLAPAMIRISLRNQN
MVQKSKRRTSMPLNDPQSVDPDLRIRVKNISLQDYEGFHYDKEKLREASISDWLRTIAGELVQSFGAIP
LGILVVRGDCDLETCRMYIDRLQEDLQSVSSGSQRVHYQDHETSFPRALSAQRLSPRWCFLLDRSQEHLH
FVMEISQDEIFILDPDMVVSQPAGTPPGMPDLVVEQASGISDWWNPALRKRMLSDSGLGMIAPYYEDSDL
KDLSHSRVLSQSPVSSDHAILQAVIAGDLMKLIESYKNGGSLLIQGPDHCSLLHYAAKTGNGEIVKYILD
HGPESELLDMADSETGETALHKAACQRNRAVCQLLVDAGASLRKTDKSKGKTPQERAQQAGDPDLAAYLESR
QNYKVIGHEDLETAV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

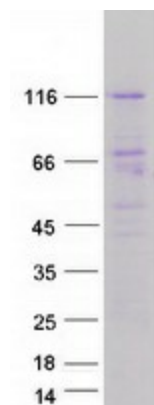
Tag:	C-Myc/DDK
Predicted MW:	116.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



[View online »](#)

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_004708
Locus ID:	9162
UniProt ID:	O75912
RefSeq Size:	4780
Cytogenetics:	7q33
RefSeq ORF:	3195
Synonyms:	DGK-IOTA
Summary:	This gene is a member of the type IV diacylglycerol kinase subfamily. Diacylglycerol kinases regulate the intracellular concentration of diacylglycerol through its phosphorylation, producing phosphatidic acid. The specific role of the enzyme encoded by this gene is undetermined, however, it may play a crucial role in the production of phosphatidic acid in the retina or in recessive forms of retinal degeneration. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome
Protein Pathways:	Glycerolipid metabolism, Glycerophospholipid metabolism, Metabolic pathways, Phosphatidylinositol signaling system

Product images:



Coomassie blue staining of purified DGKI protein (Cat# TP319587). The protein was produced from HEK293T cells transfected with DGKI cDNA clone (Cat# [RC219587]) using MegaTran 2.0 (Cat# [TT210002]).