

Product datasheet for PH319587

DGKI (NM_004717) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	DGKI MS Standard C13 and N15-labeled recombinant protein (NP_004708)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC219587
Predicted MW:	116.8 kDa
Protein Sequence:	>RC219587 representing NM_004717 Red=Cloning site Green=Tags(s)

MDAAGRGCHELLPLPAARGPARAPAAAAAASPPGPCSGAACAPSAAGAGAMNPSSSAGEEKGATGGSS
SSGSGAGSCCLGAEGGADPRGAGSAAAAGAAALDEPAAAAGQKEKDEALEEKLRLNLTFRKQVSYRKAISR
GLQHLAPAHPLSLPVANGPAKEPRATLDWSENAVNGEHLWLETNVSGLCYLGEENCQVRFKALSRRKC
AVCKIVVHTACIEQLEKINFRCKPTFREGGSRSPRENFVRHHVHRRRQEGKCKQCGKGFQKQKFSHSKE
IVAISCSWCKQAFHNKVTCFMLHHIEEPCSLGAHAAVIPPTWIIKVKKQNSLKASNRKKKRTSFKRKA
SKRGMEQENKGRPFVIKPISSPLMKPLL VFNPKSGGNQGTQVLMFMWYLNPRQVFDLSQEGPKDALEL
YRKVPNLRILACGGDGTGVWILSILDELQLSPQPPVGVLP LGTGNDLARTLNWGGGYTDEPVSKILCQVE
DGTVVQLDRWNLHVERNPDLPPEELEDGVCKLPLNVFNYYFSLGFDHVTLFHFESREANPEKFNFRFRN
KMFYAGAAFSDFLQRSSRDL SKHVKVVCDGTDLTPKIQELKFQCVFLNIPRYCAGTMPWGNPDDHDFE
PQRHDDGYIEVIGFTMASLAALQVGGHGERLHQCREVMMLTYKSIPMQVDGEPCLAPAMIRISLRNQAN
MVQKSKRRTSMPLLNPDQSVDPRLRIRVNKISLQDYEGFHYDKEKLREASISDWLRTIAGELVQSFGAIP
LGILVVRGDCDLET CRMVIDRLQEDLQSVSSGSQRVHYQDHETSFPRLSAQRLSPRWCFLDDRSQEHLH
FVMEISQDEIFILDPMVVSQVAGTPPGMPDLVVEQASGISDWWNPALRKRMLSDSGLGMIAPYEDSDL
KDLSHSRVLSQSPVSSDHAILQAVIAGDLMKLI ESYKNGGSLLIQGPDHCSLLHYAAKTNGEIVKYILD
HGPELDMADSETGETALHKAACQRNRAVCQLLVDAGASLRKTD SKGKTPQERAQQAGDPDLAAYLES
QNYKVIGHEDLETAV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

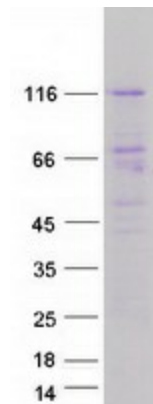
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3



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Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_004708
RefSeq Size:	4780
RefSeq ORF:	3195
Synonyms:	DGK-IOTA
Locus ID:	9162
UniProt ID:	O75912
Cytogenetics:	7q33
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]).