

Product datasheet for PH317461

DGKB (NM_004080) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	DGKB MS Standard C13 and N15-labeled recombinant protein (NP_004071)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC217461
Predicted MW:	90.4 kDa
Protein Sequence:	RC217461
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
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_004071
RefSeq Size:	3926
RefSeq ORF:	2412
Synonyms:	DAGK2; DGK; DGK-BETA
Locus ID:	1607
UniProt ID:	Q9Y6T7
Cytogenetics:	7p21.2



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Summary:

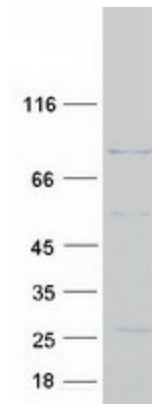
Diacylglycerol kinases (DGKs) are regulators of the intracellular concentration of the second messenger diacylglycerol (DAG) and thus play a key role in cellular processes. Nine mammalian isotypes have been identified, which are encoded by separate genes. Mammalian DGK isozymes contain a conserved catalytic (kinase) domain and a cysteine-rich domain (CRD). The protein encoded by this gene is a diacylglycerol kinase, beta isotype. Several alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2017]

Protein Families:

Druggable Genome

Protein Pathways:

Glycerolipid metabolism, Glycerophospholipid metabolism, Metabolic pathways, Phosphatidylinositol signaling system

Product images:

Coomassie blue staining of purified DGKB protein (Cat# [TP317461]). The protein was produced from HEK293T cells transfected with DGKB cDNA clone (Cat# [RC217461]) using MegaTran 2.0 (Cat# [TT210002]).