

## Product datasheet for **TP317461**

### DGKB (NM\_004080) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human diacylglycerol kinase, beta 90kDa (DGKB), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	Recombinant protein was produced with TrueORF clone, RC217461.
Tag:	C-Myc/DDK
Predicted MW:	90.4 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.
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:	<a href="#">NP_004071</a>
Locus ID:	1607
UniProt ID:	<a href="#">Q9Y6T7</a>
RefSeq Size:	3926
Cytogenetics:	7p21.2
RefSeq ORF:	2412
Synonyms:	DAGK2; DGK; DGK-BETA



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**Summary:**

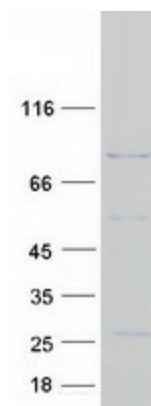
Diacylglycerol kinases (DGKs) are regulators of the intracellular concentration of the second messenger diacylglycerol (DAG) and thus play a key role in cellular processes. Nine mammalian isotypes have been identified, which are encoded by separate genes. Mammalian DGK isozymes contain a conserved catalytic (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]).