

# Recombinant Human DGKB Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** DGKB-4338H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	DGKB MS Standard C13 and N15-labeled recombinant protein (NP_004071) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	90.4 kDa
<b>AA Sequence</b>	MTNQEKWAHLSPSEFSQLQKYAEYSTKKLKDVLLEEFHGNGVLAKYNPEGKQDILNQ TIDFEGFKLFMKTFLAELPDDFTAHLFMSFSNKFPHSSPMVKS KPALLSGGLRMNK GAITPPRTTSPANTCSPEVIHLKDIVCYLSLLERGRPEDKLEFMFRLYD TDGNGFLDS SELENIISQMMHVAEYLEWDVTELNPI LHEMMEEIDYDHDGTVSLEEWIQGGMTTIPL LVLLGLENNVKDDGQHVVRLKHFNKPAYCNLCLNMLIGVGKQGLCCSFCKYTVHER CVARAPPSCIKTYVKS KRNTDVMHHYWVEGNCPTKCDKCHKTVKCYQGLTGLHCV

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



WCQITLHNKCASHLKPECDCGPLKDHILPPTTICPVVLQTLPTSGVSVPEERQSTVKK  
EKSGSQPNKVIDKNMQRANSVTVDGQGLQVTPVPGTHPLLVFVNPKSGGKQGE  
RIYRKFQYLLNPRQVYSLSGNGPMPGLNFFRDVPDFRVLACGGDGTVGWVLDCKE  
ANVGKHPPVAILPLGTGNDLARCLRWGGGYEGENLMKILKDIENSTEIMLDRWKFEV  
IPNDKDEKGDVPYYSIINNYFSIGVDASIAHRFHIMREKHPEKFNSRMKNKFWYFEFG  
TSETFSATCKKLHESVEIECDGVQIDLINISLEGAILNIPSMHGGSNLWGESKKRRSH  
RRIEKKGSDKRTTVDKELKFASQDLSQDQLEVVGLGEMEMGQIYTGLKSAGRRL  
AQCSCVVIRTSKSLPMQIDGEPWMQTPCTIKITHKNQAPMLMGPPPKTGLFCSLVKR  
TRNRSKETRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** DGKB diacylglycerol kinase beta [ Homo sapiens (human) ]

**Official Symbol** DGKB

**Synonyms** DGKB; diacylglycerol kinase, beta 90kDa; DAGK2, diacylglycerol kinase, beta (90kD); diacylglycerol kinase beta; DGK; DGK BETA; KIAA0718; DAG kinase beta; diglyceride kinase beta; 90 kDa diacylglycerol kinase; DAGK2; DGK-BETA;

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**Gene ID** 1607

**mRNA Refseq** NM\_004080

**Protein Refseq** NP\_004071

**MIM** 604070

**UniProt ID** Q9Y6T7

**SDS-PAGE**



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