

Recombinant Human DGKB, His-tagged

Cat. No. DGKB-11954H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DGKB protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	30-140a.a.
Description	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. Two alternatively spliced transcript variants have been found for this gene.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Gene Name	DGKB diacylglycerol kinase, beta 90kDa [Homo sapiens]
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;
Gene ID	1607
mRNA Refseq	NM_004080
Protein Refseq	NP_004071
MIM	604070
UniProt ID	Q9Y6T7
Chromosome Location	7p21.2
Pathway	Effects of PIP2 hydrolysis, organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; Glycerolipid metabolism, organism-specific biosystem; Glycerolipid metabolism, conserved biosystem; Glycerophospholipid metabolism, organism-specific biosystem; Glycerophospholipid metabolism, conserved biosystem;
Function	ATP binding; calcium ion binding; diacylglycerol kinase activity; nucleotide binding; transferase activity;

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