

Recombinant Mouse Dgkb Protein, Myc/DDK-tagged

Cat. No. Dgkb-2535M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length diacylglycerol kinase, beta (Dgkb), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Diacylglycerol kinase that converts diacylglycerol/DAG into phosphatidic acid/phosphatidate/PA and regulates the respective levels of these two bioactive lipids. Thereby, acts as a central switch between the signaling pathways activated by these second messengers with different cellular targets and opposite effects in numerous biological processes (Probable). Has a higher activity with long-chain diacylglycerols like 1,2-di-(9 Z-octadecenoyl)-sn-glycerol compared to 1,2-didecanoyl-sn-glycerol. Specifically expressed in brain, it regulates neuron-specific morphological changes including neurite branching and neurite spine formation.
Molecular Mass	89.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

 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

Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Dgkb diacylglycerol kinase, beta [Mus musculus (house mouse)]

Official Symbol Dgkb

Synonyms DGKB; diacylglycerol kinase, beta; diacylglycerol kinase beta; DAG kinase beta; diglyceride kinase beta; DGK; 90kda; DAGK2; DGK-beta; mKIAA0718; 6430574F24; C630029D13Rik

Gene ID 217480

mRNA Refseq NM_178681

Protein Refseq NP_848796

UniProt ID Q6NS52

 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