

## Recombinant Mouse Dgkb Protein, Myc/DDK-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length diacylglycerol kinase, beta (Dgkb), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	89.4 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.

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**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

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