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/phosph atidate/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 m essengers with different cellular targets and opposite effects in numerous biological pr ocesses (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 expr essed in brain, it regulates neuron-specific morphological changes including neurite b ranching 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.

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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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