

Recombinant Mouse Dgkd Protein, Myc/DDK-tagged

Cat. No. Dgkd-2536M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length diacylglycerol kinase, delta (Dgkd), 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. By controlling the levels of diacylglycerol, regulates for instance the PKC and EGF receptor signaling pathways and plays a crucial role during development. May also regulate clathrin-dependent endocytosis.
Molecular Mass	135.2 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.
Concentration	>50 µg/mL as determined by microplate BCA method

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

GENE INFORMATION

Gene Name Dgkd diacylglycerol kinase, delta [*Mus musculus* (house mouse)]

Official Symbol Dgkd

Synonyms DGKD; diacylglycerol kinase, delta; dgkd-2; AI841987; DGKdelta; D330025K09; KIAA0145

Gene ID 227333

mRNA Refseq NM_177646

Protein Refseq NP_808314

UniProt ID E9PUQ8

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