

Recombinant Mouse Gde1 Protein, Myc/DDK-tagged

Cat. No. Gde1-3181M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length glycerophosphodiester phosphodiesterase 1 (Gde1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Hydrolyzes the phosphodiester bond of glycerophosphodiesters such as glycerophosphoinositol (GroPIs) and glycerophosphoethanolamine (GroPEth), to yield a glycerol phosphate and an alcohol. Hydrolyzes glycerophospho-N-acylethanolamines to N-acylethanolamines in the brain and participates to bioactive N-acylethanolamines biosynthesis such as anandamide (an endocannabinoid), N-palmitoylethanolamine (an anti-inflammatory), and N-oleoylethanolamine (an anorexic). In addition, has a lysophospholipase D activity by hydrolyzing N-acyl-lysoplasmylethanolamine (N-acyl-lysoPIsEt) to N-acylethanolamine. However lysophospholipase D activity is lower than glycerophosphodiester phosphodiesterase activity. Has little or no activity towards glycerophosphocholine.
Molecular Mass	38.1 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.

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Storage	Store at -80 centigrade after receiving vials.
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	Gde1 glycerophosphodiester phosphodiesterase 1 [Mus musculus (house mouse)]
Official Symbol	Gde1
Synonyms	GDE1; glycerophosphodiester phosphodiesterase 1; membrane interacting protein of RGS16; membrane-interacting protein of RGS16; Mir16; RGS16; 1200003M13Rik
Gene ID	56209
mRNA Refseq	NM_019580
Protein Refseq	NP_062526
UniProt ID	Q9JL56

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