

## Recombinant Mouse Gde1 Protein, Myc/DDK-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length glycerophosphodiester phosphodiesterase 1 (Gde1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	Hydrolyzes the phosphodiester bond of glycerophosphodiester 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.
<b>Molecular Mass</b>	38.1 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.

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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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