

Recombinant Mouse Gdpd1 Protein, Myc/DDK-tagged

Cat. No. Gdpd1-3184M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length glycerophosphodiester phosphodiesterase domain containing 1 (Gdpd1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Hydrolyzes lysoglycerophospholipids to produce lysophosphatidic acid (LPA) and the corresponding amines. Shows a preference for 1-O-alkyl-sn-glycero-3-phosphocholine (lyso-PAF), lysophosphatidylethanolamine (lyso-PE) and lysophosphatidylcholine (lyso-PC). May be involved in bioactive N-acyl-lysophosphatidylethanolamine biosynthesis from both N-acyl-lysophosphatidylethanolamine (N-acyl-lysoPE) and N-acyl-lysophosphatidylethanolamine (N-acyl-lysoPE). In addition, hydrolyzes glycerophospho-N-acyl-lysophosphatidylethanolamine to N-acyl-lysophosphatidylethanolamine. Does not display glycerophosphodiester phosphodiesterase activity, since it cannot hydrolyze either glycerophosphoinositol or glycerophosphocholine.
Molecular Mass	35.9 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	Gdpd1 glycerophosphodiester phosphodiesterase domain containing 1 [Mus musculus (house mouse)]
Official Symbol	Gdpd1
Synonyms	Gdpd1; glycerophosphodiester phosphodiesterase domain containing 1; 2610020H15Rik; lysophospholipase D GDPD1; glycerophosphodiester phosphodiesterase 4; glycerophosphodiester phosphodiesterase domain-containing protein 1; EC 3.1.4.39
Gene ID	66569
mRNA Refseq	NM_025638
Protein Refseq	NP_079914
UniProt ID	Q9CRY7