Recombinant Mouse Pld3 Protein, Myc/DDK-tagged

Cat. No. Pld3-4922M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length phospholipase D family, member 3 (Pld3), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	5'->3' DNA exonuclease which digests single-stranded DNA (ssDNA) Regulates inflammatory cytokine responses via the degradation of nucleic acids, by reducing the concentration of ssDNA able to stimulate TLR9, a nucleotide-sensing receptor in collaboration with PLD4 May be important in myotube formation. Plays a role in lysosomal homeostasis. Involved in the regulation of endosomal protein sorting.
Molecular Mass	54.4 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.
Concentration	>50 μg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Pld3 phospholipase D family, member 3 [Mus musculus (house mouse)]
Official Symbol	Pld3
Synonyms	PLD3; phospholipase D family, member 3; phospholipase D3; PLD 3; choline phosphatase 3; schwannoma-associated protein 9; phosphatidylcholine-hydrolyzing phospholipase D3; Sam-9
Gene ID	18807
mRNA Refseq	NM_011116
Protein Refseq	NP_035246
UniProt ID	O35405

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