

Recombinant Mouse Pla2g2f Protein, Myc/DDK-tagged

Cat. No. Pla2g2f-4900M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length phospholipase A2, group IIF (Pla2g2f), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	May play a role in lipid mediator production in inflammatory conditions, by providing arachidonic acid to downstream cyclooxygenases and lipoxygenases. Phospholipase A2, which catalyzes the calcium-dependent hydrolysis of the 2-acyl groups in 3-sn-phosphoglycerides. Hydrolyzes phosphatidylethanolamine more efficiently than phosphatidylcholine, with only a modest preference for arachidonic acid versus linoleic acid at the sn-2 position. Comparable activity toward 1-palmitoyl-2-oleoyl-phosphatidylserine vesicles to that toward 1-palmitoyl-2-oleoyl-phosphatidylglycerol. Prefers phosphatidylglycerol compared to phosphatidylcholine.
Molecular Mass	23.3 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.

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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 Pla2g2f phospholipase A2, group IIF [*Mus musculus* (house mouse)]

Official Symbol [Pla2g2f](#)

Synonyms Pla2g2f; phospholipase A2, group IIF; mGII; GIIFsPLA2; sPLA2-IIF; group IIF secretory phospholipase A2; GIIF sPLA2; phosphatidylcholine 2-acylhydrolase 2F; EC 3.1.1.4

Gene ID [26971](#)

mRNA Refseq [NM_012045](#)

Protein Refseq [NP_036175](#)

UniProt ID [Q9QZT4](#)

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