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 ar achidonic acid to downstream cyclooxygenases and lipoxygenases. Phospholipase A 2, which catalyzes the calcium-dependent hydrolysis of the 2-acyl groups in 3-sn-pho sphoglycerides. Hydrolyzes phosphatidylethanolamine more efficiently than phosphati dylcholine, with only a modest preference for arachidonic acid versus linoelic acid at t he sn-2 position. Comparable activity toward 1-palmitoyl-2-oleoyl-phosphatidylserine vesicles to that toward 1-palmitoyl-2-oleoyl-phosphatidylglycerol. Prefers phosphatidyl glycerol 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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