# Recombinant Mouse Pla2g2f Protein, Myc/DDK-tagged

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

## SPECIFICATION

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| **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

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| **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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