

## Recombinant Human PLA2G6 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** PLA2G6-2752H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | PLA2G6 MS Standard C13 and N15-labeled recombinant protein (NP_001004426) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | The protein encoded by this gene is an A2 phospholipase, a class of enzyme that catalyzes the release of fatty acids from phospholipids. The encoded protein may play a role in phospholipid remodelling, arachidonic acid release, leukotriene and prostaglandin synthesis, fas-mediated apoptosis, and transmembrane ion flux in glucose-stimulated B-cells. Several transcript variants encoding multiple isoforms have been described, but the full-length nature of only three of them have been determined to date. |
| <b>Molecular Mass</b>   | 84.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>AA Sequence</b>      | MQFFGRLVNTFSGVTNLFSPFRVKEVAVADYTSSDRVREEGQLILFQNTPNRTWD<br>CVLVNPRNSQSGFRLFQLELEADALVNFHQYSSQLLPFYESSPQVLHTEVLQHLTDL<br>IRNHPSWSVAHLAVELGIRECFHHSRIISCANCAENEEGCTPLHLACRKGDGEILVEL<br>VQYCHTQMDVTDYKGETVFHYAVQGDNSQVLQLLGRNAVAGLNQVNNQGLTPLHL<br>ACQLGKQEMVRVLLLCNARC NIMGPNGYPIHSAMKFSQKGC AEMIISMDS SQIH SKD<br>PRYGASPLHWAKNAEMARMLLKRG CNVNSTSSAGNTALHVAVMRNRFDC AIVLLT                                                                                                                                               |

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HGANADARGEHGNTPLHLAMSKDNVEMIKALIVFGAEVDTPNDFGETPTFLASKIGR  
 QLQDLMHISRARKPAFILGSMRDEKRTDHLCLDGGGVKGLIIQLLIAIEKASGVAT  
 KDLFDWVAGTSTGGILALAILHSKSMAYMRGMYFRMKDEVFRGSRPYESGPLEEFL  
 KREFGEHTKMTDVRKPKVMLTGTLSDRQPAELHLFRNYDAPETVREPRFNQNVNLR  
 PPAQPSDQLVWRAARSSGAAPTYFRPNGRFLDGGLLANNPTLDAMTEIHEYNQDLI  
 RKGQANKVKKLSIVVSLGTGRSPQVPVTCVDVFRPSNPWELAKTVFGAKELGKMVV  
 DCCTDPDGRAVDRARAWCEMVGIQYFRLNPQLGTDIMLDEVSDTVLVNALWETEV  
 YIYEHREEFQKLIQLLLSPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** PLA2G6 phospholipase A2 group VI [ Homo sapiens (human) ]

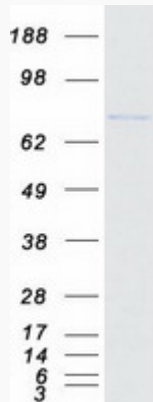
**Official Symbol** PLA2G6

**Synonyms** PLA2G6; phospholipase A2, group VI (cytosolic, calcium-independent); 85 kDa calcium-independent phospholipase A2; iPLA2; PARK14; PNPLA9; GVI PLA2; group VI phospholipase A2; calcium-independent phospholipase A2; patatin-like phospholipase domain containing 9; cytosolic, calcium-independent phospholipase A2; GVI; PLA2; INAD1; NBIA2A; NBIA2B; Cal-PLA2; IPLA2-VIA;

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|                |                                                                                     |
|----------------|-------------------------------------------------------------------------------------|
| Gene ID        | 8398                                                                                |
| mRNA Refseq    | NM_001004426                                                                        |
| Protein Refseq | NP_001004426                                                                        |
| MIM            | 603604                                                                              |
| UniProt ID     | O60733                                                                              |
| SDS-PAGE       |  |