

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

Cat. No. PLA2G6-383H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PLA2G6 MS Standard C13 and N15-labeled recombinant protein (NP_003551) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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. [provided by RefSeq, Dec 2010]
Molecular Mass	89.7 kDa
AA Sequence	MQFFGRLVNTFSGVTNLFSPFRVKEVAVADYTSSDRVREEGQLILFQNTPNRTWD CVLVNPRNSQSGFRLFQLELEADALVNFHQYSSQLLPFYESSPQVLHTEVLQHLTDL IRNHPSWSVAHLAVELGIRECFHHSRIISCANCAENEEGCTPLHLACRKGDGEILVEL VQYCHTQMDVTDYKGETVFHYAVQGDNSQVLQLLGRNAVAGLNQVNNQGLTPLHL ACQLGKQEMVRVLLLCNARC NIMGPNGYPIHSAMKFSQKGCAEMIISMDSSQIHSKD PRYGASPLHWAKNAEMARMLLKRG CNVNSTSSAGNTALHVAVMRNRFDC AIVLLT

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HGANADARGEHGNTPLHLAMSKDNVEMIKALIVFGAEVDTPNDFGETPTFLASKIGR
 LVTRKAILTLLRTVGAEYCFPPIHGVPAEQGSAAPHHPFSLERAQPPPIISLNNLELQD
 LMHISRARKPAFILGSMRDEKRTHDHLCLDGGGVKGLIIQLLIAIEKASGVATKDLFD
 WVAGTSTGGILALAILHSKSMAYMRGMYFRMKDEVFRGSRPYESGPLEEFLKREFG
 EHTKMTDVRKPKVMLTGTLSDRQPAELHLFRNYDAPETVREPRFNQNVNLRPPAQP
 SDQLVWRAARSSGAAPTYFRPNGRFLDGGLLANNPTLDAMTEIHEYNQDLIRKGQA
 NKVKKLSIVVSLGTGRSPQVPVTCVDVFRPSNPWELAKTVFGAKELGKMVDCCTD
 PDGRAVDRARAWCEMVGIQYFRLNPQLGTDIMLDEVSDTVLVNALWETEVYIYEHR
 EEFQKLIQLLLSPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 (cytosolic, calcium-independent) [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

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phospholipase domain containing 9; cytosolic, calcium-independent phospholipase A2; GVI; PLA2; INAD1; NBIA2A; NBIA2B; Cal-PLA2; IPLA2-VIA;

Gene ID [8398](#)

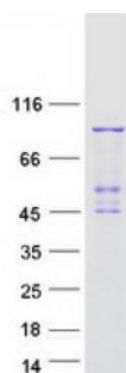
mRNA Refseq [NM_003560](#)

Protein Refseq [NP_003551](#)

MIM [603604](#)

UniProt ID [O60733](#)

SDS-PAGE



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