

Recombinant Human PLA2G6 protein, GST-tagged

Cat. No. PLA2G6-185H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PLA2G6(1 a.a. - 752 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	1-752 a.a.
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.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	110.5 kDa
AA Sequence	MQFFGRLVNTFSGVTNLFSPFRVKEVAVADYTSSDRVREEGQLILFQNTPNRTWD CVLVNPRNSQSGFRLFQLE LEADALVNFHQYSSQLLPFYESSPQVLHTEVLQHLLTD LIRNHPSWSVAHLAVELGIRECFHHSRIISCANCAENE EGCTPLHLACRKGDGEILVE LVQYCHTQMDVTDYKGETVFHYAVQGDNSQVLQLLGRNAVAGLNQVNNQGLTPLH

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

LACQLGKQEMVRVLLLCNARCNIMGPNGYPIHSAMKFSQKGCAEMIISMDSQIHSK
 DPRYGASPLHWAKNAEMA RMLLKRGCVNSTSSAGNTALHVAVMRNRFDCAIVLL
 THGANADARGEHGNTPLHLAMSKDNVEMIKALIVFGAE VDTPNDFGETPTFLASKIG
 RQLQDLMHISRARKPAFILGSMRDEKRTDHLCLDGGGVKGLIIQLLIAIEKAS GVA
 TKDLFDWVAGTSTGGILAILHKSMMAYMRGMYFRMKDEVFRGSRPYESGPLEEF
 LKREFGEHTKMTDVRK PKVMLTGTLSDRQPAELHLFRNYDAPETVREPRFNQNVN
 LRPPAQPSDQLVWRAARSSGAAPTYFRPNGRFLDGG LLANNPTLDAMTEIHEYNQ
 DLIRKGQANKVKKLSIVSLGTGRSPQVPVTCVDVFRPSNPWELAKTVFGAKELGK
 MVVDCCTDPDGRAVDRARAWCEMVGIQYFRLNPQLGTDIMLDEVSDTVLVNALWE
 TEVYIYEHREEFQKLIQLLL SP

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot(Recombinant protein);
 Antibody Production; Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION
Gene Name

PLA2G6 phospholipase A2, group VI (cytosolic, calcium-independent) [Homo sapiens]

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
Chromosome Location	22q13.1
Pathway	Arachidonic acid metabolism, organism-specific biosystem; Arachidonic acid metabolism, conserved biosystem; Eicosanoid Synthesis, organism-specific biosystem; Ether lipid metabolism, organism-specific biosystem; Ether lipid metabolism, conserved biosystem; Fat digestion and absorption, organism-specific biosystem; Fat digestion and absorption, conserved biosystem;
Function	calcium-independent phospholipase A2 activity; hydrolase activity; phospholipase A2 activity;