

Recombinant Human PLA2G6 protein, MYC/DDK-tagged

Cat. No. PLA2G6-187H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PLA2G6, transcript variant 1, fused with MYC/DDK tag at C-terminal was expressed in HEK293.
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.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	89.7 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

 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

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;
Gene ID	8398
mRNA Refseq	NM_003560
Protein Refseq	NP_003551
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

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activity;

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