

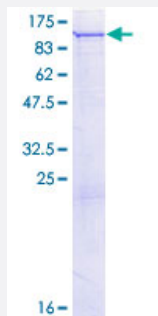
Full-Length

PLA2G6 (Human) Recombinant Protein (P01)

Catalog # H00008398-P01

Size 10 ug, 25 ug

Applications



Specification

Product Description

Human PLA2G6 full-length ORF (NP_001004426.1, 1 a.a. - 752 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MQFFGRLVNTFSGVTNLFSPFRVKEVAVADYTSSDRVREEGQLILFQNTPNRTWDCVLVNPRN
SQSGFRLFQLELEADALVNFHQYSSQLLPFYESSPQVLHTEVLQHLTDLIRNHPSSWSVAHLAVEL
GIRECFHHSRIISCANCAENEEGCTPLHLACRKGDGEILVELVQYCHTQMDVTDYKGETVFHYAVQ
GDNSQVLQLLGRNAVAGLNQVNNQGLTPLHLACQLGKQEMVRVLLCNARCNIMGPNGYPIHSA
MKFSQKGC AEMIISMDSSQIHSKDPYRGASPLHWAKNAEMARMLLKRGCVNSTSSAGNTALHV
AVMRNRFDCAVLLTHGANADARGEHGNTPLHLAMSKDNVEMIKALVFGAEVDTPNDFGETPTF
LASKIGRQLQDLMHISRARKPAFILGSMRDEKRTHDHLCLDGGGVKGLIIQLLIAEKASGVATKDL
FDWVAGTSTGGILAILHSKS MAYMRGMYFRMKDEVFRGSRPYESGPLEEFLKREFGEHTKMT
DVRKPKVMLTGTLSDRQPAELHLFRNYDAPETVREPRFNQNVNLRPPAQPSDQLVWRAARSSG
AAPT YFRPNGRFLDGGLLANNPTLDAMTEIHEYNQDLIRKGGANKVKKLSIVVSLGTGRSPQVPVT
CVDVFRPSNPWELAKTVFGAKELGKMVDCCTDPDGRAVDRARAWCEMVG IQYFRLNPQLGT
DIMLDEVSDTVLVNALWETEVYIEHREEFQKLIQLLLSP

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

110.5

Interspecies Antigen Sequence

Mouse (83); Rat (82)

Preparation Method

[in vitro wheat germ expression system](#)

Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — PLA2G6

Entrez GeneID	8398
GeneBank Accession#	NM_001004426.1
Protein Accession#	NP_001004426.1
Gene Name	PLA2G6
Gene Alias	CaI-PLA2, GVI, INAD1, IPLA2-VIA, PARK14, PLA2, PNPLA9, iPLA2
Gene Description	phospholipase A2, group VI (cytosolic, calcium-independent)
Omim ID	256600 603604 608395 610217
Gene Ontology	Hyperlink
Gene Summary	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 remodeling, 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 two of them have been determined to date. [provided by RefSeq]

Other Designations

OTTHUMP00000028877|calcium-independent phospholipase A2|cytosolic, calcium-independent phospholipase A2|patatin-like phospholipase domain containing 9|phospholipase A2, group VI

Pathway

- [alpha-Linolenic acid metabolism](#)
- [Arachidonic acid metabolism](#)
- [Ether lipid metabolism](#)
- [Fc epsilon RI signaling pathway](#)
- [Fc gamma R-mediated phagocytosis](#)
- [Glycerophospholipid metabolism](#)
- [GnRH signaling pathway](#)
- [Linoleic acid metabolism](#)
- [Long-term depression](#)
- [MAPK signaling pathway](#)
- [Metabolic pathways](#)
- [Vascular smooth muscle contraction](#)
- [VEGF signaling pathway](#)

Disease

- [Alzheimer Disease](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Dystonia](#)
- [Edema](#)
- [Frontotemporal Dementia](#)
- [Genetic Predisposition to Disease](#)

- [Lung Neoplasms](#)
- [Melanoma](#)
- [Neurodegenerative Diseases](#)
- [Nevus](#)
- [Parkinson Disease](#)
- [Parkinsonian Disorders](#)
- [Precancerous Conditions](#)
- [Psychotic Disorders](#)
- [Pulmonary Disease](#)
- [Schizophrenia](#)
- [Skin Neoplasms](#)
- [Sunburn](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)