

Recombinant Human PLA2G3 Protein, GST-tagged

Cat. No. PLA2G3-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PLA2G3 (21-130) protein with a N-terminal GST-tag was expressed in Wheat Germ (in vitro).
Species	Human
Source	Wheat Germ
ProteinLength	21-130
Description	This gene encodes a protein that belongs to the secreted phospholipase A2 family, whose members include the bee venom enzyme. The encoded enzyme functions in lipid metabolism and catalyzes the calcium-dependent hydrolysis of the sn-2 acyl bond of phospholipids to release arachidonic acid and lysophospholipids. This enzyme acts as a negative regulator of ciliogenesis, and may play a role in cancer development by stimulating tumor cell growth and angiogenesis. This gene is associated with oxidative stress, and polymorphisms in this gene are linked to risk for Alzheimer's disease.
Molecular Mass	37.84KDa
AA Sequence	SPALRWYRTSCHLTKAVPGNPLGYLSFLAKDAQGLALIHARWDAHRRLQACSWED EPELTAAYGALCAHETAWGSFIHTPGPELQRALATLQSQWEACRALEESPAGARK
Applications	AP, Array, ELISA, WB-Re

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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
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer
Warning	Wash thoroughly after handling. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

GENE INFORMATION

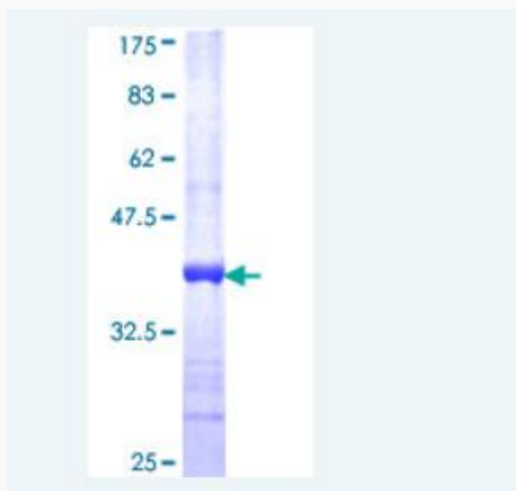
Gene Name	PLA2G3 phospholipase A2 group III [Homo sapiens (human)]
Official Symbol	PLA2G3
Synonyms	PLA2G3; phospholipase A2 group III; SPLA2III; sPLA2-III; GIII-SPLA2; group 3 secretory phospholipase A2; group III secreted phospholipase A2; phosphatidylcholine 2-acylhydrolase 3; phosphatidylcholine 2-acylhydrolase GIII
Gene ID	50487
mRNA Refseq	NM_015715
Protein Refseq	NP_056530
MIM	611651
UniProt ID	Q9NZ20

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue

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