

## Datasheet for ABIN7197350 **PLA2G2A Protein (His tag)**



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### Overview

Quantity:	50 µg
Target:	PLA2G2A
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PLA2G2A protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human PLA2G2A/PLA2B Protein (His Tag)
Sequence:	Met 1-Cys 144
Characteristics:	A DNA sequence encoding the human PLA2G2A (NP_000291.1) (Met 1-Cys 144) was expressed, with a polyhistidine tag at the C-terminus.
Purity:	> 97 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	PLA2G2A
Alternative Name:	PLA2G2A/PLA2B ( <a href="#">PLA2G2A Products</a> )
Background:	Background: Phospholipase A2, membrane associated, also known as Phosphatidylcholine 2-acylhydrolase 2A, Group IIA phospholipase A2, Non-pancreatic secretory phospholipase A2 and PLA2G2A, is a peripheral membrane protein which belongs to the phospholipase A2 family.

## Target Details

PLA2G2A is found in many cells and also extracellularly. The membrane-bound and secreted forms of PLA2G2A are identical. PLA2G2A has been proposed to play a role in anti-bacterial defense, inflammation and eicosanoid generation, in clearance of apoptotic cells, and in the Wnt signaling pathway. PLA2G2A is thought to participate in the regulation of the phospholipid metabolism in biomembranes including eicosanoid biosynthesis. PLA2G2A catalyzes the calcium-dependent hydrolysis of the 2-acyl groups in 3-sn-phosphoglycerides. PLA2G2A might be a factor in human colorectal tumorigenesis.

Synonym: MOM1;PLA2;PLA2B;PLA2L;PLA2S;PLAS1;sPLA2

Molecular Weight: 15.4 kDa

NCBI Accession: [NP\\_000291](#)

Pathways: [Stem Cell Maintenance](#), [Inositol Metabolic Process](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.