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Datasheet for ABIN7318550 PLA2G16 Protein (His tag)

Overview

Quantity:	50 µg
Target:	PLA2G16
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PLA2G16 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human PLA2G16 Protein (His Tag)
Sequence:	Asp12-Asp132
Characteristics:	Recombinant Human Phospholipase A2 Group XVI is produced by our E.coli expression system and the target gene encoding Asp12-Asp132 is expressed with a 6His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	PLA2G16
Alternative Name:	PLA2G16 (PLA2G16 Products)
Background:	Background: Group XVI Phospholipase A1/A2 (PLA2G16) belongs to the H-rev 107 family. PLA2G16 is expressed in a number of human tumors including ovarian carcinomas, lung carcinomas. PLA2G16 is involved in the regulation of differentiation and survival. PLA2G16

Target Details

regulates adipocyte lipolysis and release of fatty acids through a G-protein coupled pathway involving prostaglandin and EP3. It has also been reported to play a crucial role in the development of obesity in mouse models.

Synonym: Group XVI Phospholipase A1/A2, Adipose-Specific Phospholipase A2, AdPLA, H-Rev 107 Protein Homolog, HRAS-Like Suppressor 1, HRAS-Like Suppressor 3, HRSL3, HREV107-1, HREV107-3, Renal Carcinoma Antigen NY-REN-65, PLA2G16, HRASLS3, HREV107

Molecular Weight: 15.9 kDa

UniProt: [P53816](#)

Pathways: [Inositol Metabolic Process](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, pH 8.0.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.