

## PLA2G16 Protein, Human, Recombinant (His)

## General Information

Synonyms:	Renal Carcinoma Antigen NY-REN-65;HRAS-Like Suppressor 1;HRSL3;HREV107;AdPLA;HREV107-3;HRASLS3;HRAS-Like Suppressor 3;Group XVI Phospholipase A1/A2;Adipose-Specific Phospholipase A2;HREV107-1;H-Rev 107 Protein Homolog;PLA2G16
Protein Construction:	Asp12-Asp132
Species:	Human
Expression Host:	E. coli
Accession:	P53816
Molecular Weight:	15 KDa (reducing condition)
AA Sequence:	Asp12-Asp132

## QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Supplied as a 0.2 μm filtered solution of 20 mM Tris-HCl, 50 mM NaCl, 1 mM EDTA, pH8.0.

## Preparation and Storage

## Stability &amp; Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

## Shipping:

Proteins are shipped with blue ice.

## Protein 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 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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