



Recombinant Protein Technical Manual

Recombinant Human PLA2G16 Protein (His Tag)

RPES0096

Product Data:

Product SKU: RPES0096

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: P53816

Protein Information:

Molecular Mass: 15.9 kDa

AP Molecular Mass: 15 kDa

Tag: N-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

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

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

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

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

Application:

Synonyms: 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; HREV107-3; Renal Carcinoma Antigen NY-REN-65; PLA2G16; HRASLS3; HREV107

Immunogen Information:

Sequence: Asp12-Asp132

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.