Recombinant Human PLA2G16 (N-6His)

Catalog No: CE82

Description	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.
Expression System	E.coli
Alternative name	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
Accession No.	P53816
Predicted Molecular Weight	15.93kDa
Apparent Molecular Weight	15kDa, reducing conditions.
Quality Control	Purity: greater than 95% as determined by reducing SDS-PAGE. Endotoxin: less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM TrisHCl, pH 8.0.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
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.

SDS-PAGE