

Adiponectin/ACRP30, Human

Cat.no. PK0117

Product size: 10ug 50ug 1mg

Source: HEK 293

Species: Human

Biological Activity: ED50 < 2 µg/ml, measured in a cell proliferation assay using M1 cells.

Molecular Weight: 16~17 kDa, observed by reducing SDS-PAGE.

Formulation: Lyophilized after extensive dialysis against PBS.

Reconstitution: Reconstituted in ddH₂O at 100 µg/mL.

Purity: > 95% as analyzed by SDS-PAGE and HPLC.

Endotoxin Level: < 0.2 EU/µg, determined by LAL method.

Storage: Lyophilized recombinant Human Adipolean/gAcrp30 remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, Human Adipolean/gAcrp30 should be stable up to 1 week at 4°C or up to 2 months at -20°C.

Description: Adipolean/gAcrp30 is produced and secreted exclusively by adipocytes, and is a relatively abundant plasma protein, accounting for up to 0.05% of total serum protein. It is an adipocytederived protein with wide ranging paracrine and endocrine effects on metabolism and inflammation. It is induced during adipocyte differentiation, and its secretion is stimulated by insulin. It promotes adipocyte differentiation, fatty acid catabolism, and insulin sensitivity and is negatively correlated with obesity, type 2 diabetes, and atherogenesis.

Amino Acid Sequence:

00001 KGEPGEGAYV YRSAFSVGL E TYVTIPNMPI RFTKIFYNQQ

00041 NHYDGSTGKF HCNIPGLYYF AYHITVYMKD VKVSLFKKDK

00081 AMLFTYDQYQ ENNVDQASGS VLLHLEVG DQ VWLQVYGEGE

00121 RNGLYADNDN DSTFTGFLLY HDTN

Synonyms: Adiponectin, 30 kDa adipocyte complement-related protein, Adipocyte complement-related 30 kDa protein, ACRP30, Adipocyte, C1q and collagen domain-containing protein, Adipose most abundant gene transcript 1 protein, apM-1, apM1, Gelatin-binding protein, ADIPOQ, ACDC, ACRP30, APM1, GBP28

Note: For research use only, not for use in diagnostic procedure.