

Adiponectin/Acrp30, Human

Cat. No.: Z03072-10

Size: 10.0 ug

Synonyms: Arcp-30, GBP-28, Apm-1

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:

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00001 KGEPGEGAYV YRSAFSVGL E TYVTIPNMPI RFTKIFYNQQ
00041 NHYDGSTGKF HCNIPGLYYF AYHITVYMKD VKVSLFKKDK
00081 AMLFTYDQYQ ENNVDAQSGS VLLHLEVDQ VWLQVYGEGE
00121 RNLGYADNDN DSTFTGFLLY HDTN
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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 or PBS at 100 µg/ml.

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

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.