

Overview

Synonyms	Arcp-30, GBP-28, Apm-1
Description	Adipolean/gArcp30 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.
Accession No	Q15848
Species	Human
Source	HEK 293
Biological Activity	ED ₅₀ < 2 µg/ml, measured in a cell proliferation assay using M1 cells.
Sequence	<p>KGEPGEGAYV YRSAFSVGL E TYVTIPNMPI RFTKIFYNQQ</p> <p>NHYDGSTGKF HCNIPGLYYF AYHITVYMKD VKVSLFKKDK</p> <p>AMLFTYDQYQ ENNVDAQSGS VLLHLEVGDQ VWLQVYGEGE</p> <p>RNGLYADNDN DSTFTGFLLY HDTN</p>

Properties

Measured Molecular Weight	16~17 kDa, observed by reducing SDS-PAGE.
Purity	> 95% as analyzed by SDS-PAGE.
Formulation	Lyophilized after extensive dialysis against PBS.
Reconstitution	Reconstituted in ddH ₂ O or PBS at 100 µg/ml.
Endotoxin Level	< 0.2 EU/µg, determined by LAL method.
Storage	Lyophilized recombinant Human Adipolean/gArcp30 remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, Human Adipolean/gArcp30 should be stable up to 1 week at 4°C or up to 2 months at -20°C.
Note	For research use only

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