

Active Recombinant Human ADIPOQ Protein

Cat. No. ADIPOQ-196A **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ADIPOQ Protein without tag was expressed in HEK 293.
Species	Human
Source	HEK293
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.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-activity	ED50 < 2 µg/mL, measured in a cell proliferation assay using M1 cells.
Molecular Mass	16~17 kDa, observed by reducing SDS-PAGE.
AA Sequence	KGEPGEGAYVYRSAFSVGLETYVTIPNMPIRFTKIFYNQQNHYDGSTGKFHCNIPGL YYFAYHITVYMKDVKVSLFKKDKAMLFTYDQYQENNVVDQASGSVLLHLEVGDQVWL QVYGEGERNGLYADNDNDSTFTGFLLYHDTN
Endotoxin	< 0.2 EU/µg, determined by LAL method.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	> 95% as analyzed by SDS-PAGE.
Storage	Lyophilized recombinant Human Adipolean/gArcp30 remains stable up to 6 months at -80 centigrade from date of receipt. Upon reconstitution, Human Adipolean/gArcp30 should be stable up to 1 week at 4 centigrade or up to 2 months at -20 centigrade.
Storage Buffer	Lyophilized after extensive dialysis against PBS.
Reconstitution	Reconstituted in ddH2O or PBS at 100 µg/mL.

GENE INFORMATION

Gene Name	ADIPOQ adiponectin, C1Q and collagen domain containing [Homo sapiens]
Official Symbol	ADIPOQ
Synonyms	ADIPOQ; adiponectin, C1Q and collagen domain containing; ACDC, adipocyte, C1Q and collagen domain containing; adiponectin; ACRP30; AdipoQ; adipose most abundant gene transcript 1; apM1; GBP28; gelatin-binding protein 28; adipose specific collagen-like factor; 30 kDa adipocyte complement-related protein; adipocyte complement-related 30 kDa protein; adipose most abundant gene transcript 1 protein; ACDC; ADPN; APM1; APM-1; ADIPQTL1;
Gene ID	9370
mRNA Refseq	NM_001177800
Protein Refseq	NP_001171271
MIM	605441

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UniProt ID

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