

## Active Recombinant Human ADIPOQ Protein

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

### SPECIFICATION

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

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<b>Purity</b>	> 95% as analyzed by SDS-PAGE.
<b>Storage</b>	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.
<b>Storage Buffer</b>	Lyophilized after extensive dialysis against PBS.
<b>Reconstitution</b>	Reconstituted in ddH <sub>2</sub> O or PBS at 100 µg/mL.

## GENE INFORMATION

<b>Gene Name</b>	ADIPOQ adiponectin, C1Q and collagen domain containing [ Homo sapiens ]
<b>Official Symbol</b>	ADIPOQ
<b>Synonyms</b>	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;
<b>Gene ID</b>	9370
<b>mRNA Refseq</b>	NM_001177800
<b>Protein Refseq</b>	NP_001171271
<b>MIM</b>	605441

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