

Recombinant Human Adiponectin, C1Q And Collagen Domain Containing

Cat. No. ADIPOQ-1849H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human ADIPOQ contains 145 amino acids corresponding to the C-terminal globular domain of ADIPOQ. It is expressed and secreted exclusively by adipose tissue.
Species	Human
Source	E.coli
Description	This protein possesses unique pharmacological properties for regulation of body weight and lipid metabolism. It is a key component in controlling energy homeostasis. Recently, ADIPOQ has been shown to inhibit the proliferation of myelomonocytic progenitors.
Molecular Weight	16.6 kDa
Form	Lyophilized from 10mM Tris, pH 9.2 + 0.05% Sarcosyl + 0.75 mM DTT.
Purity	> 98% as determined by SDS-PAGE analysis.
Endotoxin Level	< 0.1 ng/g of ADIPOQ
Biological Activity	Determined by its ability to inhibit the proliferation of mouse myeloid cell lines M1. The ED50 is < 1-3 g/ml.

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Reconstitution	Centrifuge vial prior to opening. First add sterile distilled water to the vial to fully solubilize the protein to a concentration of 1.0 mg/ml. After complete solubilization of the protein, it can be further diluted to other aqueous solutions.
Storage	Store lyophilized protein at -20°C to -80°C. Reconstituted protein is stable for 1 week at 2-4°C or in working aliquots at -20°C for longer storage. Avoid repeated freeze-thaw cycles.
Official Symbol	ADIPOQ
GENE INFORMATION	
Gene Name	ADIPOQ adiponectin, C1Q and collagen domain containing [Homo sapiens]
Synonyms	ADIPOQ; adiponectin, C1Q and collagen domain containing; ACDC; apM1; ADPN; APM1; APM-1; apM-1; GBP28; ACRP30; ADIPQTL1; adiponectin; AdipoQ; Gelatin-binding protein; OTTHUMP00000210047; OTTHUMP00000210048; 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; adipocyte, C1Q and collagen domain containing
Gene ID	9370
mRNA Refseq	NM_004797
Protein Refseq	NP_004788
MIM	605441
UniProt ID	Q15848

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Chromosome Location	3q27
Pathway	Adipocytokinesignaling pathway; Adipogenesis; Developmental Biology; PPAR signalingpathway; Transcriptional Regulation of White Adipocyte Differentiation; Typell diabetes mellitus
Function	cytokine activity;eukaryotic cell surface binding; hormone activity; identical protein binding;protein binding; protein homodimerization activity; receptor binding; sialicacid binding
PDB rendering basedon 1c28.	