

Recombinant Human ADIPOQ

Cat. No. ADIPOQ-211H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	ADIPOQ (also referred to as GBP-28, apM1, AdipoQ and Acrp30) is a protein which in humans is encoded by the ADIPOQ gene.
Form	Filtered (0,4 µm) and lyophilized in 0.5 mg/mL in 0.05 M phosphate buffer, 0.075 M NaCl, pH 7.4.
Research topic	Energy metabolism and body weight regulation.
Purity	>98%
Reconstitution	Add deionized water to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.
Applications	Cell culture and/or animal studies; ELISA; Western blotting
Quality Control Test	BCA to determine quantity of the protein; SDS PAGE to determine purity of the protein; GFC to determine purity of the protein; LAL to determine quantity of endotoxin

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Sequences of amino acids

ETTTQGGPVL LPLPKGACTG WMAGIPGHPG HNGAPGRDGR DGTPGEKGEK
 GDPGLIGPKG DIGETGVPGA EGPRGFPGIQ GRKGEPGEGA YVYRSAFSVG
 LETYVTIPNM PIRFTKIFYN QQNHYDGSTG KFHCNIPGLY YFAYHITVYM
 KDVKVSFLFKK DKAMLFTYDQ YQENNVDQAS GSVLLHLEVG DQVWLQVYGE
 GERNGLYADN DNDSTFTGFL LYHDTNDYKD DDDK

Storage

Store lyophilized protein at -20°C. Lyophilized protein remains stable until the expiry date when stored at -20°C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80°C for long term storage. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after one week at 4°C.

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; ADPN; APM1; APM-1; GBP28; ACRP30; ADIPQTL1; adiponectin; 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

Gene ID [9370](#)

mRNA Refseq [NM_004797](#)

Protein Refseq [NP_004788](#)

MIM [605441](#)

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UniProt ID	Q15848
Chromosome Location	3q27
Pathway	Adipocytokine signaling pathway; Adipogenesis; Diabetes pathways; PPAR signaling pathway; Transcriptional Regulation of White Adipocyte Differentiation; Type II diabetes mellitus
Function	cytokine activity; cytokine activity; hormone activity; identical protein binding; protein binding; protein homodimerization activity; receptor binding
PBB Protein	