

Human CellExp ADIPOQ /Adiponectin /ACRP30, human recombinant protein
ADIPOQ, Adiponectin, ACDC, ACRP30, APM1, GBP28
Catalog # PBV10862r**Specification****Human CellExp ADIPOQ /Adiponectin /ACRP30, human recombinant protein - Product info**Primary Accession
Calculated MW[Q15848](#)

The protein is fused with 6×His tag at the C-terminus, has a calculated MW of 25.4 kDa. The predicted N-terminus is Glu 19. DTT-reduced Protein migrates as 28-33 kDa due to glycosylation. KDa

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Gene ID **9370**
Gene Symbol **ADIPOQ**
Other Names
ADIPOQ, Adiponectin, ACDC, ACRP30, APM1, GBP28

Gene Source **Human**
Source **HEK 293 cells**
Assay&Purity **SDS-PAGE; ≥92%**
Assay2&Purity2 **HPLC;**
Recombinant **Yes**
Target/Specificity
Adiponectin

Application Notes

Centrifuge the vial prior to opening. Reconstitute in sterile PBS, pH 7.4 to a concentration of 50 µg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -20°C.

Format

Lyophilized powder

Storage

-20°C; Lyophilized from 0.22 µm filtered solution in PBS. Generally 5-8% Mannitol or trehalose is added as a protectant before lyophilization.

Human CellExp ADIPOQ /Adiponectin /ACRP30, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human CellExp ADIPOQ /Adiponectin /ACRP30, human recombinant protein - Images**Human CellExp ADIPOQ /Adiponectin /ACRP30, human recombinant protein - Background**

Adiponectin also referred to as GBP-28, APM1, ADIPOQ, ACDC and Acrp30, is a secreted protein which contains one C1q domain (commonly called the globular domain) and one collagen-like domain. Adiponectin / ADIPOQ is synthesized exclusively by adipocytes and secreted into plasma. ADIPOQ is important adipokine involved in the control of fat metabolism and insulin sensitivity, with direct anti-diabetic, anti-atherogenic and anti-inflammatory activities. Adiponectin antagonizes TNF-alpha by negatively regulating its expression in various tissues such as liver and macrophages, and also by counteracting its effects. Acrp30 Inhibits endothelial NF-kappa-B signaling through a cAMP-dependent pathway and may play a role in cell growth, angiogenesis and tissue remodeling by binding and sequestering various growth factors with distinct binding affinities, depending on the type of complex, LMW, MMW or HMW.

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