

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 infoPrimary 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

Human CellExp ADIPOQ /Adiponectin /ACRP30, human recombinant protein - Additional Info

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.

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

Maeda K.,et al.Biochem. Biophys. Res. Commun. 221:286-289(1996).
Saito K.,et al.Gene 229:67-73(1999).
Schaeffler A.,et al.Biochem. Biophys. Res. Commun. 260:416-425(1999).
Zhang Z.,et al.Protein Sci. 13:2819-2824(2004).
Nakano Y.,et al.J. Biochem. 120:803-812(1996).