

# Recombinant human Adiponectin/Acrp30 protein

Catalog Number: ADI0501

## PRODUCT INFORMATION

---

**Expression system**

E.coli

**Domain**

15-244aa

**UniProt No.**

Q15848

**NCBI Accession No.**

NP\_004788.1

**Alternative Names**

ADIPOQ, ACDC, ACRP30, APM1, GBP28, 30 kDa adipocyte complement-related protein, Adipocyte complement-related 30 kDa protein, Adipocyte C1q and collagen domain-containing protein, Adipose most abundant gene transcript 1 protein, Gelatin-binding protein

## PRODUCT SPECIFICATION

---

**Molecular Weight**

25.1 kDa (231aa)

**Concentration**

0.5mg/ml (determined by Bradford assay)

**Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 1mM DTT

**Purity**

> 90% by SDS-PAGE

**Endotoxin level**

< 1 EU per 1ug of protein (determined by LAL method)

**Tag**

Non-Tagged

**Application**

SDS-PAGE

**Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

---

**Description**

Human Adiponectin, also referred to as AdipoQ, Acrp30, apm-1 or GBP28, is a secreted protein expressed exclusively in differentiated adipocyte (adipokine). Adiponectin contains a modular structure comprising an N-

# Recombinant human Adiponectin/Acrp30 protein

Catalog Number: ADI0501

terminal collagenous domain followed by a C-terminal globular domain. Adiponectin plays a role in various physiological processes such as energy homeostasis and obesity. Plasma levels of adiponectin are reduced in obese humans, and decreased levels are associated with insulin resistance and hyperinsulinemia.

## Amino acid Sequence

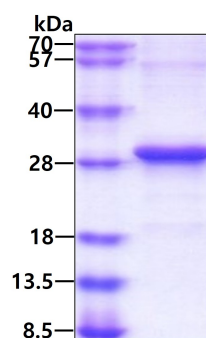
MGHDQETTTQ GPGVLLPLPK GACTGWMAGI PGHPGHNGAP GRDGRDGTTPG EKGEKGDPLG IGPKGDIGET  
GVPGAEGPRG FPGIQGRKGE PGEGAYVYRS AFSVGLETYV TIPNMPIRFT KIFYNQNHY DGSTGKFHCN IPGLYYFAYH  
ITVYMKDVKV SLFKKDKAML FTYDQYQENN VDQASGSVLL HLEVGDQVWL QVYGEGERNG LYADNDNDST FTGFLLYHDT  
N

## General References

Maeda K., et al. (1996) Biochem Biophys Res Commun. 221:286-9.  
Berg AH., et al. (2001) Nat Med. 7:947-53  
Berg AH., et al. (2002) Trends Endocrinol Metab. 13: 84-89.  
Yamauchi T et al., (2002) Nat Med. 8:1288-95

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.