

# Acrp30 Human, Trimeric

*Adiponectin Human Recombinant, Trimeric form*  
CYK0014

## Product Overview

Name Acrp30 Human, Trimeric

### Description

Adiponectin Human Recombinant, Trimeric form

Accession (Primary) [Q15848](#)

### Synonyms

Acrp30, AdipoQ, GBP-28, APM-1, ACDC.

### Introduction

Adiponectin, also known as Acrp30, AdipoQ and GBP-28, is a 244 amino acid protein, the product of the apM1 gene, which is physiologically active and specifically and highly expressed in adipose cells (Adipokine). Adiponectin is a part of the soluble defense collagen super family; it has a collagen-like domain structurally homologous with collagen VIII and X and complement factor C1q-like globular domain. APM-1 forms homotrimers, which are the building blocks for higher order complexes found circulating in serum.

### Source

HEK293 cells.

### Physical Appearance

Filtered White lyophilized (freeze-dried) powder.

### Formulation

Acrp30 filtered (0.4 µm) and lyophilized from 0.5mg/ml in 20mM Tris 50mM NaCl and 1mM CaCl<sub>2</sub>, pH 7.5.

### Stability

Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles . Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.

### Purity

Greater than 90.0% as determined by SDS-PAGE.

### Amino acid sequence

EDDVTTTEEL APALVPPPKG TCAGWMAGIP GHPGHNGTPG RDGRDGTSGE KGEKGDAGLL GPKGETGDVG  
MTGAEGPRGF PGTPGRKGEP GEAAYVYRSA FSVGLETRVT VPNVPIRFTK IFYNQQNHVD GSTGKFYCNI  
PGLYYFSYHI TVYMKDVKVS LFKKDKAVLF TYDQYQEKV DQASGSVLLH LEVGDQVWLQ VYGDGDHNGL

YADNVNDSTF TGFLLYHDTN.

#### Biological Activity

Measured by its ability to inhibit proliferation of mouse 3T3 fibroblasts stimulated by PDGF. The ED50 for the effect is typically 5-15 µg/mL.

#### Solubility

It is recommended to add deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely.

#### Precautions

Acrp30 Human, Trimeric is for research use only and not for use in diagnostic or therapeutic procedures.

**Target Information:** ( [Q15848](#) )