

# Acrp30 Human, Sf9

*Adiponectin Human Recombinant, Sf9*  
CYK0013

## Product Overview

Name Acrp30 Human, Sf9

### Description

Adiponectin Human Recombinant, Sf9

Accession (Primary) [Q15848](#)

### Synonyms

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

### Introduction

Adiponectin is a hormone exclusively expressed from adipose tissue. Many studies demonstrate that Adiponectin has direct anti-diabetic, anti-atherogenic and anti-inflammatory functions. APM-1 can increase insulin sensitivity of skeletal muscle. Attenuate hepatic lipogenesis and gluconeogenesis, regulate NO production in endothelial cells, inhibit proliferation of smooth muscle cells and prevent lipid accumulation of macrophage cells. In the circulation, Adiponectin is present as three different oligomeric complexes, including the high molecular weight (HMW), the middle molecular weight (MMW, also called hexamer) and low molecular weight (MMW, also called trimer) forms. Different oligomeric complex of Adiponectin activates different signaling pathways and exerts distinct functions.

### Source

HEK293 (Human embryonic kidney cell line).

### Physical Appearance

Filtered White lyophilized (freeze-dried) powder.

### Formulation

Filtered (0.4 µm) and lyophilized from 0.5mg/ml in 0.05M phosphate buffer, 0.075M NaCl, pH 7.4.

### Stability

Store lyophilized Adiponectin 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 95% as determined by SDS-PAGE.

### Amino acid sequence

ETTTQGPGLV LPLPKGAATG WMAGIPGHPG HNGAPGRDGR DGTPGEKGKEK GDPGLIGPKG DIGETGVPGA

EGPRGFPGIQ GRKGEPGE GA YVYRSAFE SVG LETYVTIPNM PIRFTKIFYN QQNHYDGSTG KFHCNIPGLY  
YFAYHIVYMK DVKVSLFKKD KAMLFTYDQY QENNVDAQSG SVLLHLEVGD QVWLQVYGEG ERNGLYADND  
NDSTFTGFL YHDTNDYKDD DDK.

**Biological Activity**

ED50= 3-8.5 µg/ml, as determined by its ability to inhibit proliferation of HASMCs induced by HB EGF.

**Solubility**

Add deionized water to a working volume of 0.5mg/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.

**Precautions**

Acrp30 Human, Sf9 is for research use only and not for use in diagnostic or therapeutic procedures.

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