

# **Acrp30 Human, HMW**

*Adiponectin glycosylated Human Recombinant, HMW Rich*  
CYK0012

## Product Overview

Name Acrp30 Human, HMW

### Description

Adiponectin glycosylated Human Recombinant, HMW Rich

Accession (Primary) [Q15848](#)

### Synonyms

Adiponectin, C1Q And Collagen Domain Containing, Adipose Most Abundant Gene Transcript 1 Protein, Adipocyte Complement-Related 30 KDa Protein, 30 KDa Adipocyte Complement-Related Protein, ACRP30, APM-1, GBP28, ACDC, APM1, Adipocyte, C1q And Collagen Domain-Containing Protein, Adipocyte, C1Q And Collagen Domain Containing, Adipose Most Abundant Gene Transcript 1, Adipose Specific Collagen-Like Factor, Gelatin-Binding Protein 28, Gelatin-Binding Protein, Adiponectin Precursor, Adiponectin, ADIPQTL1, ADPN, 30 kDa adipocyte complement-related protein, dipocyte complement-related 30 kDa protein, ACRP30, Adipocyte, C1q and collagen domain-containing protein, Adipose most abundant gene transcript 1 protein, apM-1, Gelatin-binding protein.

### Introduction

The adipose tissue exclusively expresses and secretes Adiponectin (Acrp30). Acrp30 is involved in various physiological processes such as energy homeostasis, insulin sensitivity, hormonal processes, fatty acid metabolism and obesity. Adiponectin circulates in the plasma. Decreased levels of Adiponectin are associated with insulin resistance and hyperinsulinemia, as seen in people with obesity insulin resistance, and diabetes type 2, whose plasma levels of adiponectin are reduced. The modular structure of Acrp30 is comprised of N-terminal collagenous domain followed by a C-terminal globular domain. Acrp30 also acts as a significant negative regulator in hematopoiesis and immune systems; it may be involved in ending inflammatory responses through its inhibitory functions. Adiponectin inhibits endothelial NF-kappa-b signaling through a cAMP-dependent pathway, it also inhibits TNF-alpha- induced expression of endothelial adhesion molecules.

### Source

Sf9, Baculovirus cells.

### Physical Appearance

Sterile Filtered clear solution.

### Formulation

Acrp30 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Purity**

Greater than 95.0% as determined by SDS-PAGE.

**Amino acid sequence**

ADP EGAYVYR SAFSVGLETY VTIPNMPIRF TKIFYNQNH YDGSTGKFHC NIPGLYYFAY HITVYMKDVK  
VSLFKKDKAM LFTYDQYQEN NVDQASGSVL LHLEVGDQVW LQVYGEGERN GLYADNDNDS TFTGFLLYHD  
HHHHHH .

**Precautions**

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

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