9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

Acrp30 Human, Sf9

Adiponectin Human Recombinant, Sf9
CYK0013

Product Overview

Name	Acrp30 Human, Sf9
Description	
Adiponectin Human Recombinant, Sf9	
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.	

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

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 TKIFYNQQNH YDGSTGKFHC NIPGLYYFAY HITVYMKDVK VSLFKKDKAM LFTYDQYQEN NVDQASGSVL LHLEVGDQVW LQVYGEGERN GLYADNDNDS TFTGFLLYHD HHHHHH .

Precautions

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

Target Information: (Q15848)