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32-6293: Acrp30 Human, Sf9

Alternative Name :	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.

Description

Source: Sf9, Baculovirus cells.
Sterile Filtered clear solution.
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.Â 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.
Acrp30 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 146 amino acids (106-242a.a.) and having a molecular mass of 16.9kDa. (Molecular size on SDS-PAGE will appear at approximately 13.5-18kDa). Acrp30 is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	1 µg / 5 µg
Purification :	Greater than 95% as determined by SDS-PAGE.
Content :	Acrp30 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.
Storage condition :	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.
Amino Acid :	ADPEGAYVYR SAFSVGLETY VTIPNMPIRF TKIFYNQQNH YDGSTGKFHC NIPGLYYFAY HITVYMKDVK VSLFKKDKAM LFTYDQYQEN NVDQASGSVL LHLEVGDQVW LQVYGEGERN GLYADNDNDS TFTGFLLYHD HHHHHH.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.