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

Acrp30 Human (72-244)

Adiponectin (72-244) Human Recombinant
CYK0009

Product Overview

Name	Acrp30 Human (72-244)

Description

Adiponectin (72-244) Human Recombinant

Synonyms

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

Source

Escherichia Coli.

Physical Appearance

Filtered White lyophilized (freeze-dried) powder.

Formulation

Each mg was lyophilized with 1xPBS, 0.4% SDS and 4mM DTT.

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 90% as determined by SDS-PAGE.

Amino acid sequence

IGPKGDI GETGVPGAEG PRGFPGIQGR KGEPGEGAYV YRSAFSVGLE TYVTIPNMPI RFTKIFYNQQ NHYDGSTGKF HCNIPGLYYF AYHITVYMKD VKVSLFKKDK AMLFTYDQYQ ENNVDQASGS VLLHLEVGDQ VWLQVYGEGE RNGLYADNDN DSTFTGFLLY HDTN

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. Product is not sterile! Please filter the product by an appropriate sterile filter before using it on cell culture.

Background

Adiponectin is a protein produced and secreted by adipose tissue. Adiponectin takes part in regulating glucose levels as well as fatty acid breakdown. Adiponectin ‘s Functions: Anti-Inflammatory Effects - Adiponectin has anti-

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inflammatory properties that helps mitigate chronic inflammation. Regulation of Glucose and Lipid Metabolism - Adiponectin Enhances insulin sensitivity, helping in regulation of blood sugar levels and also promotes fatty acid oxidation, which helps reduce fat accumulation. Cardiovascular Health - It may influence vascular health and is associated with a lower risk of cardiovascular diseases. Levels and Health Implications: Normal Levels - usually, higher levels of adiponectin are associated with a lower risk of metabolic syndrome, cardiovascular diseases and type 2 diabetes. Low Levels - Reduced adiponectin levels are often linked with obesity, insulin resistance, and other metabolic disorders. Factors Influencing on the Adiponectin Levels: Weight - High body fat (especially visceral fat) can lower adiponectin levels. Diet and Exercise - Regular physical activity and a healthy diet can increase adiponectin levels. Genetics - Genetic factors might also be an influence on an individual adiponectin level. Adiponectin is an important component in metabolic health, therefore continuing the research of its functions and regulation keeps advance our understanding of its role in diseases like diabetes and cardiovascular conditions.

Precautions

Acrp30 Human (72-244) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

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