

Acrp30 Mouse

Adiponectin Mouse Recombinant
CYK0015

Product Overview

Name Acrp30 Mouse

Description

Adiponectin Mouse Recombinant

Accession (Primary) [Q60994](#)

Synonyms

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

Introduction

Adiponectin is an important negative regulator in hematopoiesis and immune systems. It may be involved in ending inflammatory responses through its inhibitory functions. Inhibits endothelial nf-kappa-b signaling through a camp-dependent pathway. Inhibits tnfr-alpha- induced expression of endothelial adhesion molecules. Involved in the control of fat metabolism and insulin sensitivity.

Source

HEK293 (Human embryonic kidney cell line).

Formulation

Filtered (0.4 µm) and lyophilized from 0.5 mg/ml in 0.05M PBS buffer, 0.075M NaCl, pH7.4.

Stability

Store lyophilized APM-1 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 98.0% as determined by SDS-PAGE.

Amino acid sequence

EDDVTTTEEL APALVPPPKG TCAGWMAGIP GHPGHNGTPG RDGRDGTSGE KGEKGDAGLL GPKGETGDVG
MTGAEGPRGF PGTPGRKGEP GEAAYMYRSA FSVGLETRVT VPNVPIRFTK IFYNQQNHVD GSTGKFYCNV
PGLYYFSYHI TVYMKDVKVS LFKKDKAVLF TYDQYQEKV DQASGSVLLH LEVGDQVWLQ VYGDGDHNGV
YADNVNDSTF TGFLLYHDTN DYKDDDDK .

Biological Activity

Full-length adiponectin activates AMP-activated protein kinase in hepatocyte. Adiponectin also activates AMPK in

HepG2 human hepatocytes at the concentration of 1.0 µg/ml. An in vitro gluconeogenesis assay which was performed in primary rat hepatocytes showed the murine adiponectin derived from mammalian cells can inhibit glucose production.

Solubility

It is recommended to reconstitute the lyophilized Acrp30 Mouse in sterile 18M-cm H₂O at 0.5mg/ml, which can then be further diluted to other aqueous solutions.

Precautions

Acrp30 Mouse is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: ([Q60994](#))