



Adiponectin, glycosilated, mouse recombinant (rmAcrp30-HEK)

Catalog No: 94977
Lot No: XXXXX
Source: HEK293
Synonyms: Acrp30, AdipoQ, GBP-28, APM-1, ACDC

Background

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 tnf-alpha- induced expression of endothelial adhesion molecules. Involved in the control of fat metabolism and insulin sensitivity.

Description

Acrp30 mouse recombinant is fused with FLAG Tag having a total molecular mass of 26 kDa.

Formulation

Filtered (0.4 µm) and lyophilized from 0.5 mg/ml in PBS buffer.

Solubility

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

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% (HPLC and SDS PAGE analyzed).

Amino Acid Sequence

EDDVTTTEEL APALVPPPKG TCAGWMAGIP GHPGHNGTPG RDGRDGTPE KGEKGDAGLL GPKGETGDVG MTGAEGPRGF
PGTPGRKGEP GEAAAYMYRSA FSVGLETRVT VPNVPIRFTK IFYNQQNHVD GSTGKFYCN I PGLYYFSYHI TVYMKDVKVS
LFKKDKAVLF TYDQYQENK DQASGSVLLH LEVG DQVWLQ VYGDGDHNGL YADNVNDSTF TGFLLYHDTN DYKDDDDK

Activity

Full-length mouse adiponectin activates AMP-activated protein kinase in hepatocyte and activates AMPK in HepG2 human hepatocytes at a concentration of 1000 ng/ml corresponding to a specific activity of 1000 IU/mg. Mouse adiponectin mammalian cell derived inhibits glucose production as shown by in-vitro gluconeogenesis assay in primary rat hepatocytes.

Applications

ELISA*WB*cell culture*animal studies

Usage

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