



Adiponectin, human (rHuAcrp30)

Catalog No: 97399
Lot No: XXXXX
Source: Human pooled serum
Synonyms: Acrp30, AdipoQ, GBP-28, APM-1, ACDC

Background

Adiponectin, also referred to as Acrp30, AdipoQ and GBP-28, is a recently discovered 244 amino acid protein, the product of the apM1 gene, which is physiologically active and specifically and highly expressed in adipose cells (Adipokine). The protein belongs to the soluble defense collagen super family; it has a collagen-like domain structurally homologous with collagen VIII and X and complement factor C1q-like globular domain. APM-1 forms homotrimers, which are the building blocks for higher order complexes found circulating in serum.

Description

The Acrp30 human protein contains 244 amino acids, having a molecular mass of 26.42 kDa. Native adiponectin is isolated from human pooled sera and contains all HMW, MMW and LMW fractions.

Formulation

Acrp30 human was filtered (0.05 µm) and lyophilized from 0.5 mg/ml supplied in 20 mM Tris, 50 mM NaCl and 1 mM CaCl₂, pH 7.5.

Solubility

It is recommended to add deionized water to prepare a working stock solution of approximately 0.5 mg/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.

Stability

Store lyophilized Acrp30 at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted Acrp30 Human can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.

Amino Acid Sequence

MLLLGAVLLL LALPGHDQET TTQGGVLLP LPKGACTGWM AGIPGHPGHN GAPGRDGRDG TPGEKGEKGD PGLIGPKGDI
GETGVPGAEG PRGFPGIQGR KGEPGEGAYV YRSAFSVGL E TYVTIPNMPI RFTKIFYNQ NHYDGSTGKF HCNIPGLYYF
AYHITVYMKD VKVSLFKKDK AMLFTYDQYQ ENNVDQASGS VLLHLEVG DQ VWLQVYGEGE RNGLYADNDN DSTFTGFLLY
HDTN

Applications

Cell culture*animal studies*ELISA*Immunological methods*WB

Usage

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