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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Adiponectin, glycosilated, human recombinant (rHuAcrp30-HEK)

Catalog No: 94976
Lot No: XXXXX
Source: HEK293
Synonyms: Acrp30, AdipoQ, GBP-28, APM-1, ACDC

Background

Adiponectin 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

Acrp30 human recombinant produced in HEK293 cells is fused with FLAG Tag.

Formulation

Lyophilized from 0.5 mg/ml in PBS buffer.

Solubility

Add 0.2 ml of deionized water and let the lyophilized pellet dissolve completely.

Stability

Store lyophilized AdipoQ 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. The lyophilized protein remains stable for 24 months when stored at -20°C.

Purity

Greater than 98% as determined by HPLC and SDS PAGE.

Activity

In vitro gluconeogenesis assay in primary hepatocytes was performed, showing the Adiponectin human derived from mammalian cells can inhibit glucose production. The ED50 was approx. 6 µg/ml.

Applications

ELISA*WB*cell culture*animal studies

Usage

This product is offered by Biomol for research purposes only. Not for diagnostic purposes or human use. It may not be resold or used to manufacture commercial products without written approval of Biomol GmbH.