



Adiponectin glycosylated, human recombinant, HMW Rich (rhuACDC)

Catalog No: 99927
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

Adiponectin Human Recombinant HMW Rich, produced in HEK cells, is a single, glycosylated, polypeptide chain (19-244) containing a total of 226 amino acids. It has a molecular mass of 24.6 kDa (calculated). The Human Acrp30 is purified by proprietary chromatographic techniques.

Physical Appearance

White, lyophilized (freeze-dried) powder.

Formulation

Acrp30 was filtered (0.4 µm) and lyophilized from 0.5 mg/ml in 20 mM Tris (pH 7.5), 50 mM NaCl and 1 mM CaCl₂.

Solubility

It is recommended to add deionized water to a working concentration of 0.5 mg/ml and let the lyophilized pellet dissolve completely. Acrp30 is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

Stability

Store lyophilized protein 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.

Purity

Greater than 90% as determined by SDS-PAGE.

Amino Acid Sequence

ETTTQGPGLV LPLPKGACTG WMAGIPGHPG HNGAPGRDGR DGTPGEKGEK GDPGLIGPKG DIGETGVPGA EGPRGFPGIQ
GRKGEPGEA YVYRSAFEVG LETYVTIPNM PIRFTKIFYN QQNHYDGSTG KFHCNIPGLY YFAYHITVYM KDVKVSFLFKK
DKAMLFITYDQ YQENNVDAQS GSVLLHLEVG DQVWLQVYGE GERNGLYADN DNDSTFTGFL LYHDTN.

Usage

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