

32-6294: Acrp30 Mouse

Application : Functional Assay

Alternative Name : Acrp30, AdipoQ, GBP-28, APM-1, ACDC.

Description

Source: HEK293 cells.

Filtered White lyophilized (freeze-dried) powder.

Adiponectin, also known as Acrp30, AdipoQ and GBP-28, is a 244 amino acid protein, the product of the apM1 gene, which is physiologically active and specifically and highly expressed in adipose cells (Adipokine). Adiponectin is a part of 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.

Acrp30 Mouse Recombinant is a single, glycosylated polypeptide chain containing 230 amino acids (18-247a.a) and having a molecular mass of 24.9kDa (calculated).

Product Info

Amount : 2 µg / 10 µg

Purification : Greater than 90.0% as determined by SDS-PAGE.Å

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

Content : It is recommended to add deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely.

Storage condition : 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; it does not show any change after two weeks at 4°C.

Amino Acid : EDDVTTEEL APALVPPPKG TCAGWMAGIP GHPGHNGTPG RDGRDGPGE KGEKGDAGLL
GPKGETGDVG MTGAEGPRGF PGTPGRKGEP GEAAVYRSA FSVGLETRVT VPNVPIRFTK IFYNQQNHYD
GSTGKFYCN I PGLYYFSYHI TVYMKDVKVS LFKKDKAVLF TYDQYQENK DQASGSVLLH LEVG DQVWLQ
VYGDGDHNG L YADNVNDSTF TGFLLYHDTN.

Application Note

Measured by its ability to inhibit proliferation of mouse 3T3 fibroblasts stimulated by PDGF. The ED50 for the effect is typically 5-15 Åµg/mL.