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# Acrp30 Mouse, HEK

**Description:**The Acrp30 Mouse Recombinant is fused with FLAG tag having a total Mw of 26kDa.

**Catalog #:**CYPS-442

**Synonyms:**Acrp30, AdipoQ, GBP-28, APM-1, ACDC.

For research use only.

**Source:**HEK293 (Human embryonic kidney cell line).

**Amino Acid Sequence:**EDDVTTTEEL APALVPPPKG TCAGWMAGIP GHPGHNGTPG RDGRDGTPGE KGEKGDAGLL GPKGETGDVG MTGAEGPRGF PGTPGRKGEP GEAAYMYRSA FSVGLETRVT VPNVPIRFTK IFYNQQNHYD GSTGKFYCNI PGLYYFSYHI TVYMKDVKVS LFKKDKAVLF TYDQYQEKNV DQASGSVLLH LEVGDQVWLQ VYGDGDHNGL YADNVNDSTF TGFLLYHDTN DY

**Purity:**Purity of adiponectin mouse recombinant is >98% (HPLC and SDS PAGE analyzed).

**Formulation:**

Sterile filtered and lyophilized from 0.5 mg/ml in PBS buffer.

**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.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drμgs, agricultural or pesticidal products, food additives or household chemicals.

**Solubility:**

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

**Introduction:**

Adiponectin is an important negative regulator in hematopoiesis and immune systems. It may be involved in ending inflammatory responses throμgh its inhibitory functions. Inhibits endothelial nf-kappa-b signaling throμgh a camp-dependent pathway. Inhibits tnf-alpha- induced expression of endothelial adhesion molecules. Involved in the control of fat metabolism and insulin sensitivity.

**Biological Activity:**

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

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