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# 32-1017: mAcrp30 HEK Recombinant Protein

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

## Description

Source : HEK293 (Human embryonic kidney cell line). The Acrp30 Mouse Recombinant is fused with FLAG tag having a total Mw of 26kDa. Adiponectin is an important negative regulator in hematopoiesis and immune systems. It may be involved in ending inflammatory responses through its inhibitory functions. Inhibits endothelial nf-kappa-b signaling through a camp-dependent pathway. Inhibits tnf-alpha- induced expression of endothelial adhesion molecules. Involved in the control of fat metabolism and insulin sensitivity.

## Product Info

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|---|---|
| **Amount :** | 10 µg |
| **Purification :** | Greater than 98.0% as determined by SDS-PAGE. |
| **Content :** | Filtered (0.4µm) and lyophilized from 0.5 mg/ml in PBS buffer. |
| **Storage condition :** | 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. |
| **Amino Acid :** | EDDVTTTEEL APALVPPPKG TCAGWMAGIP GHPGHNGTPG RDGRDGTPGE KGEKGDAGLL GPKGETGDVG MTGAEGPRGF PGTPGRKGEP GEAAYMYRSA FSVGLETRVT VPNVPIRFTK IFYNQQNHYD GSTGKFYCNI PGLYYFSYHI TVYMKDVKVS LFKKDKAVLF TYDQYQEKNV DQASGSVLLH LEVGDQVWLQ VYGDGDHNGL YADNVNDSTF TGFLLYHDTN DYKDDDDK. |

## Application Note

It is recommended to reconstitute the lyophilized Acrp30 Mouse in sterile 18M-cm H2O at 0.5mg/ml, which can then be further diluted to other aqueous solutions. 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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