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## Product Data Sheet

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Product Name: Acrp30 Mouse, HEK

Cat. No.: GP20020

Batch No.: 1

**Product Data**

Purity	>98%	Source	HEK293 (Human embryonic kidney cell line).
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Acrp30; AdipoQ; GBP-28; APM-1; ACDC.		
Amino Acid Sequence	EDDVTTTEEL APALVPPPKG TCAGWMAGIP GHPGHNGTPG RDGRDGTPGE KGEKGDAGLL GPKGETGDVG MTGAEGPRGF PGTPGRKGEP GEAAYMYRSA FSVGLETRVT VPNVPIRFTK IFYNQQNHVD GSTGKFYCNI PGLYYFSYHI TVYMKDVKVS LFKKDKAVLF TYDQYQEKV DQASGSVLLH LEVGDQVWLQ VYGDGDHNGL YADNVNDSTF TGFLLYHDTN DYKDDDDK.		
Solubility	It is recommended to reconstitute the lyophilized Acrp30 Mouse in sterile 18M-cm H <sub>2</sub> O at 0.5mg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	Filtered (0.4µm) and lyophilized from 0.5 mg/ml in PBS buffer.		

**Introduction**

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.

**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.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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### 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 .

### Background

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

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