



## Product Datasheet

<b>Product Name</b>	Adiponectin Mouse Recombinant, HEK
<b>Cata No</b>	CB500337
<b>Source</b>	HEK293 ( <i>Human embryonic kidney cell line</i> ).
<b>Synonyms</b>	Acrp30, AdipoQ, GBP-28, APM-1, ACDC.

### Description

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. The Acrp30 Mouse Recombinant is fused with FLAG tag.

### Biological Activity

Full-length mouse adiponectin activates AMP-activated protein kinase in hepatocyte and activates AMPK in HepG2 human hepatocytes at a concentration of 1µg/ml. Mouse adiponectin mammalian cell derived inhibits glucose production as shown by in-vitro gluconeogenesis assay in primary rat hepatocytes.

### 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. The lyophilized protein remains stable until the expiry date when stored at -20°C.

### Sequence

EDDVTTTEEL APALVPPPKG TCAGWMAGIP  
GHPGHNGTPG RDGRDGTGPE KGEKGDAGLL  
GPKGETGDVG MTGAEGPRGF PGTPGRKGEP  
GEAAYMYRSA FSVGLETRVT VPNVPIRFTK  
IFYNQQNHYD GSTGKFYCNIPGLYYFSYHI  
TVYMKDVKVS LFKKDKAVLF TYDQYQEKNV  
DQASGSVLLH LEVGDQVWLQ VYGDGDHNGL  
YADNVNDSTF TGFLLYHDTN DYKDDDDK.

### Applications

ELISA  
Western blotting  
Cell culture and/or animal studies

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