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# Acrp30 Mouse, Trimeric

*Adiponectin Mouse Recombinant, Trimeric form*
*CYK0018*

## Product Overview

| | |
|---|---|
| Name | Acrp30 Mouse, Trimeric |

**Description**

Adiponectin Mouse Recombinant, Trimeric form

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|---|---|
| Accession (Primary) | Q60994 |

**Synonyms**

Acrp30, AdipoQ, GBP-28, APM-1, ACDC.

**Introduction**

Adiponectin is a hormone exclusively expressed from adipose tissue. Many studies demonstrate that adiponectin has direct anti-diabetic, anti-atherogenic and anti-inflammatory functions. APM-1 can increase insulin sensitivity of skeletal muscle, attenuate hepatic lipogenesis and luconeogenesis, regulate NO production in endothelial cells, inhibit proliferation of smooth muscle cells and prevent lipid accumulation of macrophage cells. In the circulation, adiponectin is present as three different oligomeric complexes, including the high molecular weight (HMW), the middle molecular weight (MMW, also called hexamer) and low molecular weigh (MMW, also called trimer) forms 8. Different oligomeric complex of adiponectin activates different signaling pathways and exerts distinct functions.

**Source**

HEK293 (Human embryonic kidney cell line).

**Physical Appearance**

Filtered white lyophilized (freeze-dried) powder.

**Formulation**

Mouse Acrp30 filtered (0.4 μm) and lyophilized from 0.5 mg/ml in 0.05M phosphate buffer, 0.05M NaCl, pH 7.2.

**Stability**

Store lyophilized Acrp30 Mouse at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted Acrp30 Mouse can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.

**Purity**

Acrp30 Mouse purity is greater than 95% as determined by SDS-PAGE.

**Solubility**

Add deionized water to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet

dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

**References**

Title: Evidence that adiponectin receptor 1 activation exacerbates ischemic neuronal death Publication: Experimental & translational stroke medicine 2.1 (2010): 15. Link: Acrp30 prospec publication

**Precautions**

Acrp30 Mouse, Trimeric is for research use only and not for use in diagnostic or therapeutic procedures.

## Target Information: ( Q60994 )