9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

Acrp30 Human, Trimeric

Adiponectin Human Recombinant, Trimeric form
CYK0014

Product Overview

Name	Acrp30 Human, Trimeric
Description	
Adiponectin Human Recombinant, Trimeric form	
Accession (Primary)	Q15848
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 gluconeogenesis, 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	
Filtered (0.4 μm) and lyophilized from 0.5mg/ml in 0.05M phosphate buffer, 0.075M NaCl, pH 7.4.	
Stability	
Store lyophilized Adiponectin 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.	
Purity	
Greater than 95% as determined by SDS-PAGE.	
Amino acid sequence	
ETTTQGPGVL LPLPKGAATG WMAGIPGHPG HNGAPGRDGR DGTPGEKGEK GDPGLIGPKG DIGETGVPGA	

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EGPRGFPGIQ GRKGEPGEGA YVYRSAFSVG LETYVTIPNM PIRFTKIFYN QQNHYDGSTG KFHCNIPGLY YFAYHIVYMK DVKVSLFKKD KAMLFTYDQY QENNVDQASG SVLLHLEVGD QVWLQVYGEG ERNGLYADND NDSTFTGFLL YHDTNDYKDD DDK.

Biological Activity

ED50= 3-8.5 µg/ml, as determined by its ability to inhibit proliferation of HASMCs induced by HB EGF.

Solubility

Add deionized water to a working volume of 0.5mg/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.

Precautions

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

Target Information: (Q15848)