9051 Mira Mesa Blvd, #910094
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gAcrp30 Human

Globular Adiponectin Human Recombinant
CYK0165

Product Overview

Name	gAcrp30 Human
Description	
Globular Adiponectin Human Recombinant	
Accession (Primary)	Q15848
Synonyms	
Acrp30, AdipoQ, GBP-28, APM-1, ACDC.	
Introduction	
gAcrp30 globular protein, exists as a result of proteolytic processing of adiponectin. Adiponectin is manufactured and secreted solely by adipocytes, and is a highly obtained plasma protein, accounting for up to 0.05% of total serum protein. Similar to Adiponectin, gAcrp30 is able of lowering hyperglycemia and reversing INS resistance. In addition, gAcrp30 is an significant protein that is involved in promoting fat loss by signaling muscle to absorb and burn Free-Fatty Acids. AdipoR1 & AdipoR2 are the 2 signaling receptors for adiponectin and gAcrp30 that were recently been identified.	
Source	
Escherichia Coli.	
Formulation	
Sterile filtered and lyophilized from 10mM sodium phosphate & 0.5mM DTT, pH 7.5.	
Stability	
For long term, store lyophilized protein 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 two weeks.	
Purity	
Greater than 95% as determined by SDS-PAGE.	
Amino acid sequence	
MKGEPGEGAY VYRSAFSVGL ETYVTIPNMP IRFTKIFYNQ QNHYDGSTGK FHCNIPGLYY FAYHITVYMK DVKVSLFKKD KAMLFTYDQY QENNVDQASG SVLLHLEVGD QVWLQVYGEG ERNGLYADND NDSTFTGFLL YHDTN.	
Biological Activity	
gAcrp30 activity is determined by its ability to inhibit the proliferation of mouse M1 cells. The expected ED 50 for this	

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effect is 669ng/ml, corresponding to a specific activity of 1.5x10 3 units/mg.

Solubility

We recommended reconstituting gAcrp30 at a concentration of 0.1mg per ml with 10mM sodium phosphate & 0.5mM DTT, pH 7.5. which can then be further diluted to other aqueous solutions.

Precautions

gAcrp30 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q15848)