



Acrp30 Recombinant Protein

Cat. No.: 40-327



Ψ Specifications

SPECIES:	Human
SOURCE SPECIES:	E. coli
SEQUENCE:	MKGEPGEGAY VYRSAFSVGL ETYVTIPNMP IRFTKIFYNQ QNHYDGSTGK FHCNIPGLYY FAYHITVYMK DVKVSFLFKD KAMLFTYDQY QENNVDQASG SVLLHLEVGD QVWLQVYGE ERNGLYADND NDSTFTGFL YHDTN
TESTED APPLICATIONS:	

Ψ Properties

PURITY:	Greater than 98% by SDS-PAGE gel and HPLC analyses. Endotoxin level is less than 0.1 ng per µg (1EU/µg).
PHYSICAL STATE:	Lyophilized
STORAGE CONDITIONS:	The lyophilized Acrp30 recombinant protein is stable for at least 2 years from date of receipt at -20°C. Reconstituted Acrp30 is stable for at least 3 months when stored in working aliquots with a carrier protein at -20°C. As with any protein, exposing Acrp30 recombinant protein to repeated freeze / thaw cycles is not recommended. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.

OFFICIAL SYMBOL:	ADIPOQ
ALTERNATE NAMES:	ACDC, ADPN, APM1, APM-1, GBP28, ACRP30, ADIPQTL1, ACDC, Adiponectin, 30 kDa adipocyte complement-related protein
ACCESSION NO.:	NP_001171271.1
PROTEIN GI NO.:	295317372
GENE ID:	9370

Background and References

BACKGROUND:	<p>gAcrp30 is a naturally occurring globular protein, obtained by proteolytic processing of adiponectin. Adiponectin is produced and secreted exclusively by adipocytes, and is a relatively abundant plasma protein, accounting for up to 0.05% of total serum protein. Like Adiponectin, gAcrp30 is capable of decreasing hyperglycemia and reversing insulin resistance. Additionally, gAcrp30 has been shown to be an important factor in promoting fat loss by signaling muscle to absorb and burn Free-Fatty Acids (FFAs). The signaling receptors for adiponectin and gAcrp30 have recently been identified and names AdipoR1 and AdipoR2. AdipoR2 is predominantly expressed in the liver. Recombinant human gAcrp30/Adipolean is a 16.6 kDa protein consisting of 145 amino acid residues.</p>
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