

Recombinant Human Adiponectin, C1Q And Collagen Domain Containing

Cat. No. ADIPOQ-169H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human adiponectin, C1Q and collagen domain containing was fused to the carboxyl terminal 6X histidine tagged human gAdiponectin, inserted into a suitable expression vector and expressed in <i>NSO Cells</i> .
Species	Human
Source	Mammalian Cells
Description	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.
Molecular Weight	The predicted molecular weight of Recombinant Human gAcrp30 is 16.7 kDa. However, the actual molecular weight as observed by migration on SDS Page is 20 kDa.
State Of Matter	Solution.
Purity	>95% by SDS Page and analyzed by silver stain.

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Endotoxin <1.0 EU/g as determined by the LAL method.

Storage This protein can be stored under sterile conditions at 2°C- 8°C for four months without detectable change of its oligomeric state.

GENE INFORMATION

Gene Name [ADIPOQ adiponectin, C1Q and collagen domain containing \[Homo sapiens \]](#)

Synonyms ADIPOQ; adiponectin, C1Q and collagen domain containing; ACDC; ADPN; APM1; APM-1; GBP28; ACRP30; ADIPQTL1; adiponectin; APM1

Gene ID [9037](#)

mRNA Refseq [NM_004797](#)

Protein Refseq [NP_004788](#)

MIM [605441](#)

UniProt ID [Q15848](#)

Chromosome Location 3q27

Pathway Adipocytokine signaling pathway; PPAR signaling pathway; Type II diabetes mellitus

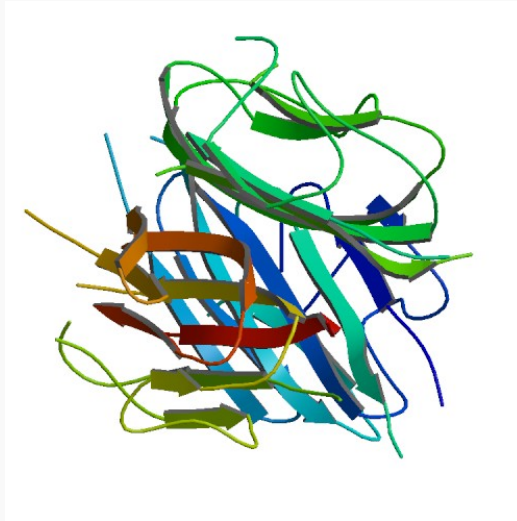
Function cytokine activity; eukaryotic cell surface binding; hormone activity; protein homodimerization activity

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PDB rendering based
on 1c28.



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