

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.

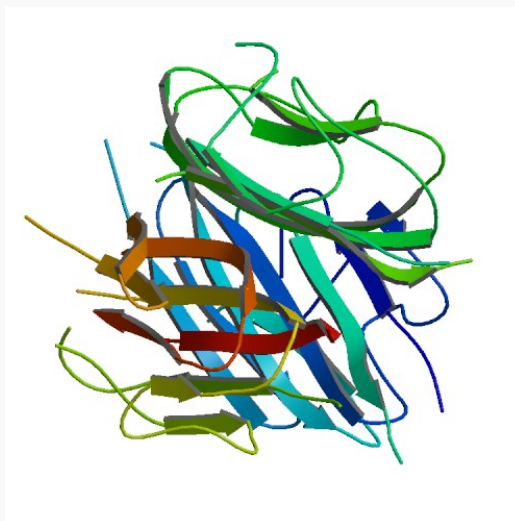
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Endotoxin	<1.0 EU/g as determined by the LAL method.
Storage	This protein can be stored under sterile conditions at 2°C- 8°C for four months without detectable change of its oligomeric state.
GENE INFORMATION	
Gene Name	ADIPOQ adiponectin, C1Q and 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

PDB rendering based
on 1c28.



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