

## Recombinant Rat Adipoq, FLAG-tagged

**Cat. No.** Adipoq-195R    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant rat adiponectin encoding the mature peptide of rat adiponectin (amino acid His16~Asn244) was tagged with FLAG at the N-terminus. The tagged protein was expressed in a human embryonic kidney cell line, <i>HEK293</i> , and purified from conditioned media.
<b>Species</b>	Rat
<b>Source</b>	HEK293
<b>ProteinLength</b>	16-244 a.a.
<b>Description</b>	Adiponectin, also known as apM1, Acrp30, GBP28 and adipoQ, is a circulating hormone predominantly produced from adipose tissue. Many pharmacological studies demonstrated that this protein possesses potent anti-diabetic, anti-atherogenic and anti-inflammatory functions. Supplement of adiponectin protein can decrease blood glucose, improve insulin sensitivity, alleviate fatty liver and prevent atherosclerosis. The protein is post-translationally modified by hydroxylation and glycosylation, and forms three different oligomeric complexes in the circulation.
<b>Formulation</b>	0.2 m filtered solution in phosphate-buffered saline.
<b>Activity</b>	effect on the phosphorylation of acetyl-CoA carboxylase in C2C12 cells.
<b>Purity</b>	>95%, as determined by SDS-PAGE.

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**Endotoxin Level** <0.1EU/g, as determined by the LAL method.

**Stability Storage And Handling** The protein solution should be stored in working aliquots at -20°C for three months without detectable loss of activity. Avoid repeated freeze-thaw cycles.

## GENE INFORMATION

**Gene Name** [Adipoq adiponectin, C1Q and collagen domain containing \[ Rattus norvegicus \]](#)

**Synonyms** adiponectin, C1Q and collagen domain containing; Acdc; Acrp30; Adipoq; adiponectin; adipocyte complement related protein of 30 kDa

**Gene ID** [246253](#)

**mRNA Refseq** [NM\\_144744](#)

**Protein Refseq** [NP\\_653345](#)

**Chromosome Location** 11q23

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

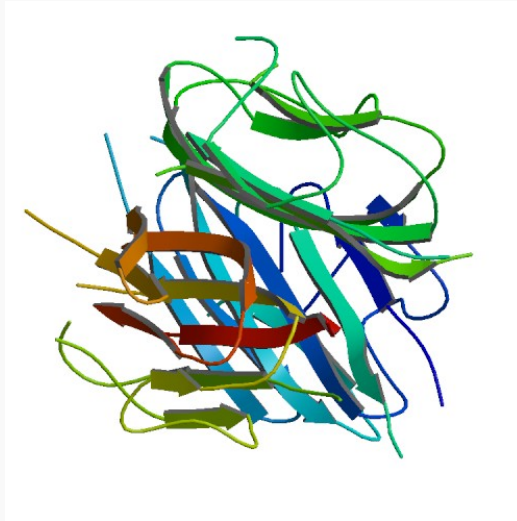
**Function** eukaryotic cell surface binding; hormone activity; molecular\_function; protein homodimerization activity

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