

# Recombinant Rat Adiponectin, C1Q And Collagen Domain Containing

**Cat. No.** Adipoq-5443R    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Rat Adipoqis expressed in E. coli.
<b>Species</b>	Rat
<b>Source</b>	E.coli
<b>Description</b>	Rat Adipoq is expressed and secreted exclusively by adipose tissue. This protein possesses unique pharmacological properties for regulation of body weight and lipid metabolism. It is a key component in controlling energy homeostasis. Recently, Adipoq has been shown to inhibit the proliferation of myelomonocytic progenitors. Recombinant rat Adipoq consists of 145 amino acid residues.
<b>Form</b>	Lyophilized without additives.
<b>Molecular Weight</b>	16.6 kDa
<b>Purity</b>	> 98% as determined by SDS-PAGE analysis
<b>Endotoxin Level</b>	< 0.1 ng/g of Adipoq
<b>Biological Activity</b>	Determined by its ability to inhibit the proliferation of mouse myeloid cell lines M1. The ED50 for this effect is < 1-3 g/ml.
<b>Reconstitution</b>	Centrifuge vial prior to opening. First add sterile distilled water to the vial to fully

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solubilize the protein to a concentration of 0.1-0.3 mg/ml. After complete solubilization of the protein, it can be further diluted to other aqueous solutions.

**Storage**

Store lyophilized protein at -20°C to -80°C. Reconstituted protein is stable for 1 week at 2-4°C. For long term storage, aliquot and store at -20°C. Avoid repeated freeze-thaw cycles.

**Official Symbol**

Adipoq

## GENE INFORMATION

**Gene Name**

Adipoq adiponectin, C1Q and collagen domain containing [ *Rattus norvegicus* ]

**Synonyms**

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

**Gene ID**

246253

**mRNA Refseq**

NM\_144744

**Protein Refseq**

NP\_653345

**UniProt ID**

Q8K3R4

**Chromosome Location**

11q23

**Pathway**

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

**Function**

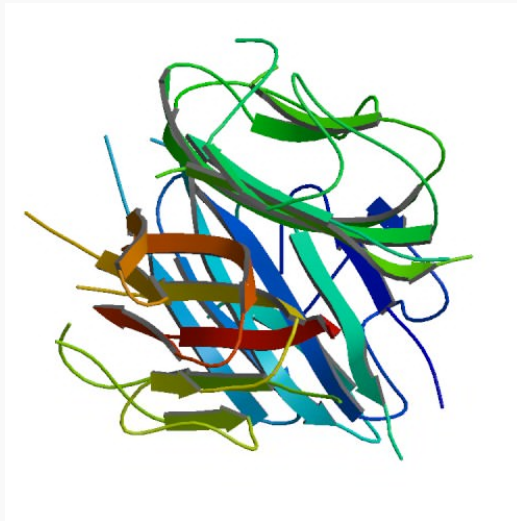
eukaryotic cell surface binding; hormone activity; molecular\_function; protein homodimerization activity

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