

Recombinant Rat Adiponectin, C1Q And Collagen Domain Containing

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

SPECIFICATION

Product Overview	Recombinant Rat Adipoqs expressed in E. coli.
Species	Rat
Source	E.coli
Description	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.
Form	Lyophilized without additives.
Molecular Weight	16.6 kDa
Purity	> 98% as determined by SDS-PAGE analysis
Endotoxin Level	< 0.1 ng/g of Adipoq
Biological Activity	Determined by its ability to inhibit the proliferation of mouse myeloid cell lines M1. The ED ₅₀ for this effect is < 1-3 µg/ml.
Reconstitution	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

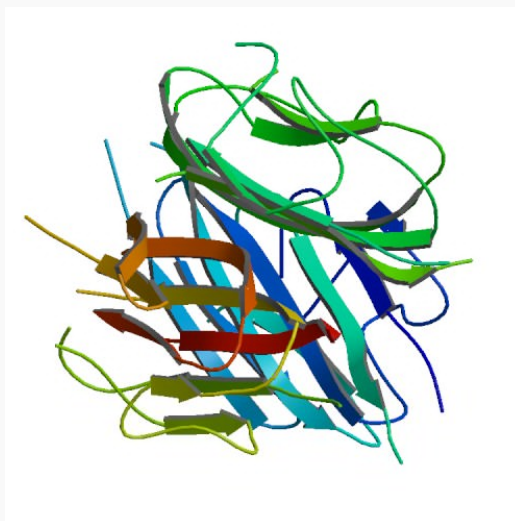
eukaryotic cell surface binding; hormone activity; molecular_function; protein homodimerization activity

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PDBrendering based
on 1c28.



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