

Recombinant Dog ADIPOQ, Globular Domain, FLAG-tagged

Cat. No. ADIPOQ-189D Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Dog ADIPOQ was produced in HEK 293 cells. Dog adiponectin (aa 104-244) is fused at the N-terminus to a FLAG-tag.
Species	Dog
Source	HEK293
Protein Length	104-244 a.a.
Description	Adiponectin is a protein hormone that modulates a number of metabolic processes, including glucose regulation and fatty acid catabolism. Adiponectin is exclusively secreted from adipose tissue into the bloodstream and is very abundant in plasma relative to many hormones. Levels of the hormone are inversely correlated with body fat percentage in adults, while the association in infants and young children is less clear. The hormone plays a role in the suppression of the metabolic derangements that may result in type 2 diabetes, obesity, atherosclerosis, non-alcoholic fatty liver disease (NAFLD) and an independent risk factor for metabolic syndrome.
Purity	≥90% (SDS-PAGE).
Concentration	~1mg/ml.
Formulation	Liquid. 0.2µm-filtered solution in PBS.
Endotoxin Content	<0.1EU/g protein (LAL test).

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Stability

Working aliquots are stable for up to 3 months when stored at -20°C. After opening, prepare aliquots and store at -20°C. Avoid freeze/thaw cycles.

GENE INFORMATION**Gene Name**

ADIPOQ adiponectin, C1Q and collagen domain containing [*Canis lupus familiaris*]

Synonyms

ADIPOQ; adiponectin, C1Q and collagen domain containing; ACDC; APM1;
Adiponectin

Gene ID

403625

mRNA Refseq

NM_001006644

Protein Refseq

NP_001006645

**Chromosome
Location**

34

Pathway

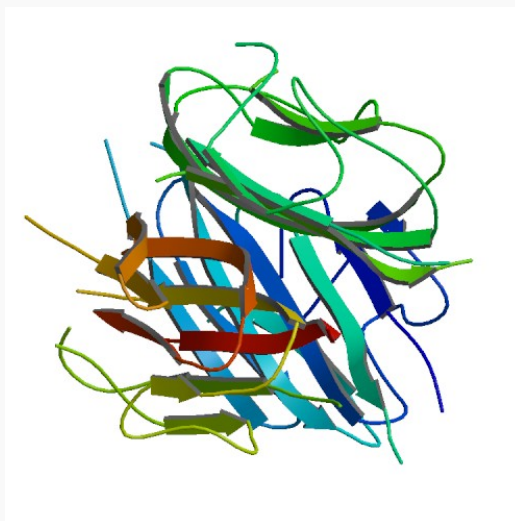
Adipocytokine signaling pathway; PPAR signaling pathway; Type II diabetes mellitus

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