

Recombinant Dog ADIPOQ, FLAG-tagged

Cat. No. ADIPOQ-188D Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Dog ADIPOQ was produced in HEK 293 cells. Dog adiponectin (aa 18-244) is fused at the N-terminus to a FLAG-tag.
Species	Dog
Source	HEK293
Protein Length	18-244 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).
Formulation	Liquid. 0.2 μm-filtered solution in PBS.
Endotoxin Content	<0.1 EU/g protein (LAL test; Bio Whittaker).
Stability	Working aliquots are stable for up to 3 months when stored at -20°C. After opening,

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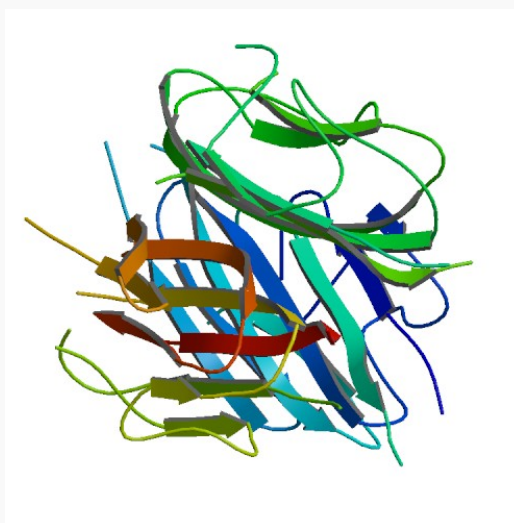
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prepare aliquots and store at -20°C. Avoid freeze/thaw cycles.

GENE INFORMATION

Gene Name	ADIPOQ adiponectin, C1Q and collagen domain containing [<i>Canis lupus familiaris</i>]
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

PDB rendering based on 1c28.



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