

# Recombinant Dog ADIPOQ, FLAG-tagged

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

## SPECIFICATION

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>  | Recombinant Dog ADIPOQ was produced in HEK 293 cells. Dog adiponectin (aa 18-244) is fused at the N-terminus to a FLAG-tag.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>           | Dog                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>            | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Protein Length</b>    | 18-244 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>       | 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. |
| <b>Purity</b>            | ≥90% (SDS-PAGE).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Formulation</b>       | Liquid. 0.2µm-filtered solution in PBS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Endotoxin Content</b> | <0.1EU/g protein (LAL test; Bio Whittaker).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Stability</b>         | Working aliquots are stable for up to 3 months when stored at -20°C. After opening,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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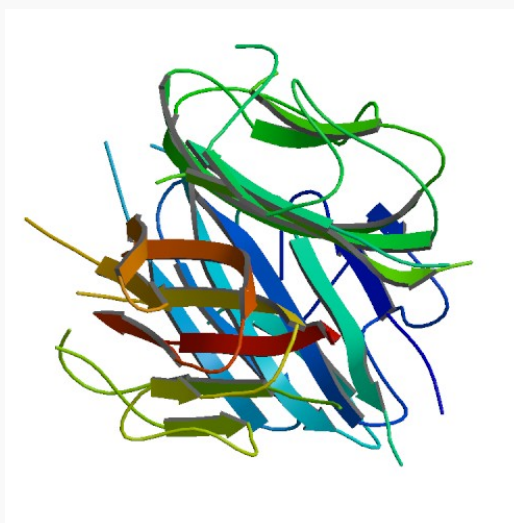
 45-1 Ramsey Road, Shirley, NY 11967, USA

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

## GENE INFORMATION

|                            |                                                                                          |
|----------------------------|------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | ADIPOQ adiponectin, C1Q and collagen domain containing [ <i>Canis lupus familiaris</i> ] |
| <b>Synonyms</b>            | ADIPOQ; adiponectin, C1Q and collagen domain containing; ACDC; APM1; Adiponectin         |
| <b>Gene ID</b>             | 403625                                                                                   |
| <b>mRNA Refseq</b>         | NM_001006644                                                                             |
| <b>Protein Refseq</b>      | NP_001006645                                                                             |
| <b>Chromosome Location</b> | 34                                                                                       |
| <b>Pathway</b>             | Adipocytokine signaling pathway; PPAR signaling pathway; Type II diabetes mellitus       |

PDB rendering based on 1c28.



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