

Recombinant Mouse Adiponectin

CATALOG #: 4902-25 25 µg
4902-100 100 µg
4902-1000 1 mg

LOT #: _____

SOURCE: *E. coli*

PURITY: >90% by SDS-PAGE
Endotoxin level is <0.1 ng per µg.

FORM: Lyophilized from a 0.2 µM filtered solution in 25 mM Tris, 0.15 M NaCl, pH 7.4 containing 50 µg of bovine serum albumin (BSA) per 1 µg of adiponectin.

RECONSTITUTION:

We recommend a quick spin followed by reconstitution in PBS containing at least 0.1% BSA to a concentration of 0.1-1.0 mg/ml. This stock solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for future use.

STORAGE CONDITIONS:

The lyophilized protein is best-stored desiccated below 0°C. Reconstituted Adiponectin should be stored in working aliquots at -20°C or -70°C.

DESCRIPTION:

Adiponectin (also called Acrp30, AdipoQ) is an adipocyte specific secreted protein that circulates in the plasma. It is induced during adipocyte differentiation and its secretion is stimulated by insulin. Mouse adiponectin shares about 83% amino acid identity with that of human. Adiponectin plays a role in various physiological processes such as energy homeostasis and obesity. Plasma levels of adiponectin are reduced in obese humans, and decreased levels are associated with insulin resistance and hyperinsulinemia.

ACTIVITY:

Measured by its ability to inhibit proliferation of mouse myeloid cell line M1 (Yokota, T. et al., Blood 96:1723, 2000). The ED₅₀ for the effect is typically 1-7 µg/ml.

For Research Use Only! Not for Use in Humans.

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