



PRODUCT DATA SHEET

Product: Adiponectin (human recombinant)

Cat. No.: BC-153 (25 µg)

Synonyms:

Acpr30, AdipoQ

Description:

Adiponectin is an adipocyte specific secreted protein that circulates in the plasma. It is induced during adipocyte differentiation and its secretion is stimulated by insulin. Human adiponectin shares about 83% amino acid identity with that of mouse and about 90% with that of rat. 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.

Source:

E. coli

Reconstitution:

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

Activity:

Measured by its ability to inhibit proliferation of mouse myeloid cell line M1. The ED₅₀ for the effect is typically 1-7 µg/mL.

Format:

Lyophilized from a 0.2 µm filtered solution containing 25 mM Tris, 0.15 M NaCl, pH 7.4, with protein stabilizer.

Purity:

>90% by SDS-PAGE. Endotoxin level is <0.1 ng/µg protein.

Storage:

Lyophilized protein is best stored desiccated below 0°C. Reconstituted adiponectin should be aliquoted and stored at -20°C or below.

Limitations:

For research use only. Not for use in diagnostics or in humans.

Warranty:

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.