



Adiponectin

Human, Recombinant, *E. coli*

Cat. No.: RCP9081

Size: 10µg

Synonym: Gelatin-binding protein; Adipocyte; Adipocyte-specific secretory protein; AdipoQ; C1Q; Collagen domain containing protein; Most abundant gene transcript; APM1; GBP28; ACRP30.

Description: Adiponectin is an adipocyte specific protein hormone, which is induced by adipocyte differentiation and stimulated by insulin levels. Levels of circulating adiponectin are inversely correlated to the body mass index and as such, the protein has been shown to play a role in metabolic disorders such as Type 2 diabetes and obesity. Adiponectin has also been shown to display anti-inflammatory effects on the walls of blood vessels and may also play a role in regulating the immune system.

RANDOX recombinant Adiponectin comprises a 226 amino acid fragment (19-244) corresponding to the mature adiponectin protein and is expressed in *E. coli* with an amino-terminal hexahistidine tag. This product is for research use only and is not intended for diagnostic or therapeutic use.

Form: Liquid.
Supplied in 1x Laemmli Buffer (25mM Tris-HCl pH6.8, 50mM DTT, 1% (w/v) SDS, 0.1% (w/v) Bromophenol Blue, 2.5% Glycerol).

Purity: Single band on Western blot.

References: Trullillo, M.E. & Scherer P.E. 2005 *J. Intern. Med.* **257** (2) : 167-175.

Yokata, T. *et al.*, 2000 *Blood* **96** (5): 1723-1732.