

Recombinant Rat Adiponectin

Catalog No.	CRA157A CRA157B CRA157C	Quantity:	25 µg 100 µg 1 mg
Alternate Names:	AdipoQ, ACDC, Acrp30		
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. 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.		
Gene ID:	246253		
Protein Accession No:	NP_653345		
Source:	<i>E. coli</i>		
Formulation:	Lyophilized from a 0.2 µm sterile filtered solution in 25 mM Tris + 0.15 M NaCl, pH 7.4 + 50 µg BSA per 1 µg Adiponectin		
Purity:	> 90% as determined by SDS-PAGE analysis		
Endotoxin Level:	< 0.1 ng/µg of Adiponectin		
Biological Activity:	Determined by its ability to inhibit proliferation of mouse myeloid cell line M1. The ED ₅₀ is typically 1-7 µg/ml.		
Reconstitution:	Centrifuge vial prior to opening. First add PBS containing at least 0.1% BSA to the vial to fully solubilize the protein to a concentration of 0.1-1.0 mg/ml. After complete solubilization of the protein it can be further diluted to other aqueous solutions. Please note that the addition of any carrier protein into this product may produce unwanted endotoxin. This depends upon the particular application employed.		
Storage & Stability:	Store lyophilized protein at -20°C to -80°C. Reconstituted protein is stable for 1 week at 2-4°C. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freeze-thaw cycles.		

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