Recombinant Human Adiponectin (Acrp30)

Cat No:HR2R1123

For research use only

Overview

Quantity	1.0 ?g
Gene Symbol	ADIPOQ
Gene ID	9370
Accession	Q15848
Alternative Name	30 kDa adipocyte complement-related protein, Adipocyte complement-related 30 kDa protein, Adipocyte, C1q and collagen domain-containing protein, Adipose most abundant gene transcript 1 protein, Gelatin-binding protein
Species	Human
Source	E. coli
Description	Adiponectin is an adipose-derived secreted protein that influences the body?s response to insulin. Adiponectin belongs to the soluble defence collagen super family and is involved with the promotion of adipocyte differentiation, fatty acid catabolism, and insulin resistance. Recombinant adiponectin is a multimeric glycoprotein that also has anti-inflammatory effects on the cell lining of blood vessel walls. High blood levels of adiponectin are associated with reduced risks of heart attacks while low levels are associated with obesity and an increased risk of heart attacks.
Functions	The ED50 , as determined by a cytotoxic assay (using M1 cells) was found to be 3.0-6.0 ?g/ml
Formulation	Lyophilized from a 0.2 ?m filtered solution in PBS
Solubility	Reconstitute in sterile deionized water to 0.1 mg/mL
Appearance	Lyophilized Powder
Molecular Weight	24.8
Purity	>95% as determined by SDS-PAGE
Concentration	< 1.0 EU/?g of recombinant protein as determined by the LAL method.
Shipping Condition	Ambient Temperature
Storage Condition	The lyophilized protein is stable for at least one year from date of receipt at -70?C. Upon reconstitution, this cytokine can be stored in working aliquots at 2? - 8?C for one month, or at -20?C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.