

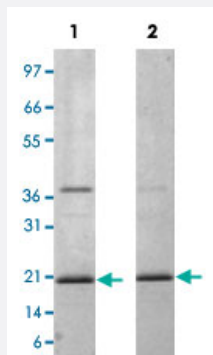
Bioactive

ADIPOQ (Human) Recombinant Protein

Catalog # P4389

Size 25 ug

Applications



Lane 1: non-reducing conditions

Lane 2: reducing conditions

Result of activity analysis

Result of activity analysis

Serial dilutions of human ADIPOQ, starting at 25 ug/mL, were added to M1 cells. After 66 hours, cell viability was measured and the linear portion of the curve was used to calculate the ED50.

Specification

Product Description	Human ADIPOQ (Q15848) recombinant protein expressed in <i>Escherichia coli</i> .
Sequence	MKGEPGEGAYVYRSAFSVGLETYVTIPNMPIRFTKIFYNQNNHYDGSTGKFHCNIPGLYYFAYHITVY MKDVKVSFLFKKDKAMLFTYDQYQENNVDAQSGSVLLHLEVGDQVWLQVYGEGERNGLYADNDN DSTFTGFLLYHDTN
Host	<i>Escherichia coli</i>
Theoretical MW (kDa)	16.7
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system

Endotoxin Level	< 0.1 EU/ug
Activity	The activity is determined by the ability to inhibit the proliferation of mouse M1 cells. The expected E _{D50} for this effect is 0.36-0.54 ug/mL.
Quality Control Testing	1 ug/lane in 4-20% Tris-Glycine gel Stained with Coomassie Blue Lane 1: non-reducing conditions Lane 2: reducing conditions
Storage Buffer	Lyophilized from 10 mM Tris, pH 8.0 (0.75 mM DTT)
Storage Instruction	Store at -20°C on dry atmosphere. After reconstitution with sterilized 5 mM Tris and 0.75 mM DTT to pH 8.0, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis Serial dilutions of human ADIPOQ, starting at 25 ug/mL, were added to M1 cells. After 66 hours, cell viability was measured and the linear portion of the curve was used to calculate the ED50.

Applications

- Functional Study
- SDS-PAGE

Gene Info — ADIPOQ

Entrez GeneID	9370
Protein Accession#	Q15848
Gene Name	ADIPOQ
Gene Alias	ACDC, ACRP30, ADPN, APM-1, APM1, GBP28, adiponectin
Gene Description	adiponectin, C1Q and collagen domain containing
Omim ID	605441
Gene Ontology	Hyperlink
Gene Summary	This gene is expressed in adipose tissue exclusively. It encodes a protein with similarity to collagens X and VIII and complement factor C1q. The encoded protein circulates in the plasma and is involved with metabolic and hormonal processes. [provided by RefSeq]

Other Designations

adipocyte, C1Q and collagen domain containing|adipocyte, C1Q and collagen domain-containing
|adiponectin|adipose most abundant gene transcript 1|gelatin-binding protein 28

Pathway

- [Adipocytokine signaling pathway](#)
- [PPAR signaling pathway](#)
- [Type II diabetes mellitus](#)

Disease

- [Acute Disease](#)
- [Adenocarcinoma](#)
- [Albuminuria](#)
- [Alzheimer disease](#)
- [Anorexia Nervosa](#)
- [Atherosclerosis](#)
- [Birth Weight](#)
- [Body Weight](#)
- [Brain Ischemia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Cellulitis](#)

- [Cerebral Infarction](#)
- [Cerebrovascular Accident](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Coronary Stenosis](#)
- [Diabetes](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)
- [Diabetic Nephropathies](#)
- [Diabetic Neuropathies](#)
- [Diabetic Retinopathy](#)
- [Disease Progression](#)
- [Dyslipidemias](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Fatty Liver](#)
- [Genetic Predisposition to Disease](#)
- [Glomerulonephritis](#)
- [Glucose Intolerance](#)
- [Glucose Metabolism Disorders](#)
- [HIV Infections](#)
- [HIV-Associated Lipodystrophy Syndrome](#)
- [Hyperaldosteronism](#)
- [Hyperandrogenism](#)

- [Hypercholesterolemia](#)
- [Hyperglycemia](#)
- [Hyperinsulinism](#)
- [Hyperlipidemias](#)
- [Hypertension](#)
- [Inflammation](#)
- [Insulin Resistance](#)
- [Intracranial Arteriosclerosis](#)
- [Ischemia](#)
- [Kidney Failure](#)
- [Liver Cirrhosis](#)
- [Lupus Erythematosus](#)
- [Lymphoma](#)
- [Metabolic Diseases](#)
- [Metabolic Syndrome X](#)
- [Multiple Organ Failure](#)
- [Myocardial Infarction](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Ovarian Failure](#)
- [Overweight](#)
- [Pancreatitis](#)
- [Polycystic Ovary Syndrome](#)
- [Pre-Eclampsia](#)

- [Pregnancy Complications](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Proteinuria](#)
- [Psychiatric Status Rating Scales](#)
- [Puberty](#)
- [Renal Insufficiency](#)
- [Schizophrenia](#)
- [Thinness](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Vascular Diseases](#)
- [Weight Gain](#)
- [Weight Loss](#)
- [Werner syndrome](#)