

Recombinant human Adiponectin/Acrp30 protein

Catalog Number: ADI0501

PRODUCT INFORMATION

Expression system

E.coli

Domain

15-244aa

UniProt No.

Q15848

NCBI Accession No.

NP_004788.1

Alternative Names

ADIPOQ, ACDC, ACRP30, APM1, GBP28, 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

PRODUCT SPECIFICATION

Molecular Weight

25.1 kDa (231aa)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 1mM DTT

Purity

> 90% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

Non-Tagged

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

Human Adiponectin, also referred to as AdipoQ, Acrp30, apm-1 or GBP28, is a secreted protein expressed exclusively in differentiated adipocyte (adipokine). Adiponectin contains a modular structure comprising an N-

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terminal collagenous domain followed by a C-terminal globular domain. 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.

Amino acid Sequence

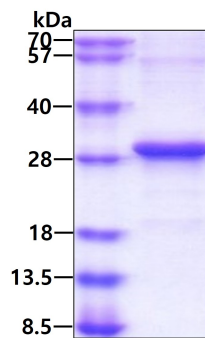
MGHDQETTTQ GPGVLLPLPK GACTGWMAGI PGHPGHNGAP GRDGRDGTTPG EKGEKGDPLG IGPKGDIGET
GVPGAEGPRG FPGIQGRKGE PEGAYVYRS AFSVGLETYV TIPNMPPIRFT KIFYNQNHY DGSTGKFHCN IPGLYYFAYH
ITVYMKDVKV SLFKKDKAML FTYDQYQENN VDQASGSVLL HLEVGQVWL QVYGEGERNG LYADNDNDST FTGFLLYHDT
N

General References

Maeda K., et al. (1996) *Biochem Biophys Res Commun.* 221:286-9.
Berg AH., et al. (2001) *Nat Med.* 7:947-53
Berg AH., et al. (2002) *Trends Endocrinol Metab.* 13: 84-89.
Yamauchi T et al., (2002) *Nat Med.* 8:1288-95

DATA

SDS-PAGE



3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.