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 complementrelated 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-



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

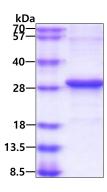
MGHDQETTTQ GPGVLLPLPK GACTGWMAGI PGHPGHNGAP GRDGRDGTPG EKGEKGDPGL IGPKGDIGET GVPGAEGPRG FPGIQGRKGE PGEGAYVYRS AFSVGLETYV TIPNMPIRFT KIFYNQQNHY DGSTGKFHCN IPGLYYFAYH ITVYMKDVKV SLFKKDKAML FTYDQYQENN VDQASGSVLL HLEVGDQVWL QVYGEGERNG LYADNDNDST FTGFLLYHDT N

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



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