

Recombinant human Adiponectin/Acrp30 protein

Catalog Number: ATGP3532

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

106-242aa

UniProt No.

Q15848

NCBI Accession No.

NP_004788

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

16.9 kDa (146aa)

Concentration

0.5mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 95% by SDS-PAGE

Endotoxin level

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

Tag

His-Tag

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

ADIPOQ, as known as adiponectin, is an adipocyte-derived protein with wide ranging paracrine and endocrine effects on metabolism and inflammation. It is induced during adipocyte differentiation, and its secretion is

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stimulated by insulin. This protein influences gonadotropin release, normal pregnancy, and assisted reproduction outcomes. Also, it is important factor in chronic liver diseases and chronic kidney diseases. Recombinant human ADIPOQ, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

ADPEGAYVYR SAFSVGLETY VTIPNMPPIRF TKIFYNQNH YDGSTGKFHC NIPGLYYFAY HITVYMKDVK VSLFKKDKAM
LFTYDQYQEN NVDQASGSVL LHLEVGDAQVW LQVYGEGERN GLYADNDNDS TFTGFLLYHD HHHHHH

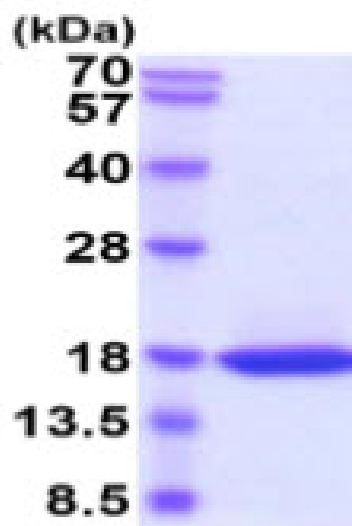
General References

Du H., et al, (2016) Medicine (Baltimore). 95:e2700.

Yahya RS., et al, (2016) Clin. Lab. 62:21-30.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)