

Recombinant human Adiponectin/Acrp30 protein

Catalog Number: ATGP2641

PRODUCT INFORMATION

Expression system

E.coli

Domain

108-244aa

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

18.1 kDa (158aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M urea

Purity

> 80% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

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 is expressed in adipose tissue exclusively. It encodes a protein with similarity to collagens X and VIII and complement factor C1q. This protein circulates in the plasma and is involved with metabolic and hormonal processes. Mutations in this gene are associated with adiponectin deficiency. Multiple alternatively spliced variants, encoding the same protein, have been identified. Recombinant human ADIPOQ protein, fused to His-tag

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at N-terminus, was expressed in E. coli.

Amino acid Sequence

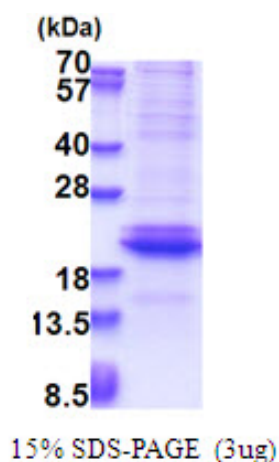
MGSSHHHHHH SSGLVPRGSH MAYVYRSAFS VGLETYVTIP NMPIRFTKIF YNQQNHYDGS TGKFHCNIPG LYYFAYHITV
YMKDVKVSLF KKDKAMLFY DQYQENNVDQ ASGSVLLHLE VGDQVWLQVY GEGERNGLYA DNDNDSTFTG FLLYHDTN

General References

Chen J., et al. (2006) Diabetologica 49 (6): 1292-302.

DATA

SDS-PAGE



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