

Recombinant human Perilipin-2 protein

Catalog Number: ATGP2694

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-437aa

UniProt No.

Q99541

NCBI Accession No.

NP_001113.2

Alternative Names

adipose differentiation-related protein, adipose differentiation-related protein, ADFP, ADRP, MGC10598

PRODUCT SPECIFICATION

Molecular Weight

49.3 kDa (451aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

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

Purity

> 85% by SDS-PAGE

Tag

T7-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

PLIN2 belongs to the perilipin family, members of which coat intracellular lipid storage droplets. This protein is associated with the lipid globule surface membrane material, and maybe involved in development and maintenance of adipose tissue. However, it is not restricted to adipocytes as previously thought, but is found in a wide range of cultured cell lines, including fibroblasts, endothelial and epithelial cells, and tissues, such as lactating mammary gland, adrenal cortex, Sertoli and Leydig cells, and hepatocytes in alcoholic liver cirrhosis, suggesting that it may serve as a marker of lipid accumulation in diverse cell types and diseases. Recombinant

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human PLIN2, fused to T7-tag at N-terminus, was expressed in E. coli.

Amino acid Sequence

<MASMTGGQQM GRGS>MASVAV DPQPSVVTRV VNLPLVSSTY DLMSSAYLST KDQYPYLKSV CEMAENGVKT
ITSVAMTSAL PIIQKLEPQI AVANTYACKG LDRIEERLPI LNPSTQIVA NAKGAVTGAK DAVTTTGTGA KDSVASTITG
VMDKTKGAVT GSVEKTKSVV SGSINTVLGS RMMQLVSSGV ENALTKSELL VEQYLPLEE ELEKEAKKVE GFDLVQKPSY
YVRLGSLSTK LHSRAYQQAL SRVKEAKQKS QQTISQLHST VHLIEFARKN VYSANQKIQD AQDKLYLSWV EWKRSIGYDD
TDESHCAEHI ESRTLAIARN LTQQLQTTCH TLLSNIQGVV QNIQDQAKHM GVMAGDIYSV FRNAASFKEV SDSLLTSSKG
QLQKMESLD DVMDYLVNNT PLNWLVGPFY PQLTESQNAQ DQGAEMDKSS QETQRSEHKT H

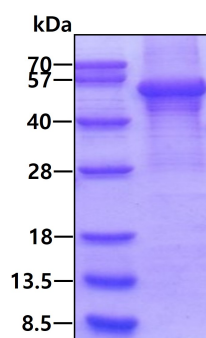
General References

Shaw,C.S., et al. (2012) Am. J. Physiol. Endocrinol. Metab. 303 (9), E1158-E1165

Peters,S.J., et al. (2012) Appl Physiol Nutr Metab 37 (4), 724-735

DATA

SDS-PAGE



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