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

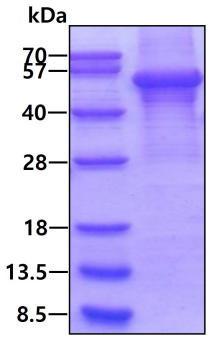
<MASMTGGQQM GRGS>MASVAV DPQPSVVTRV VNLPLVSSTY DLMSSAYLST KDQYPYLKSV CEMAENGVKT ITSVAMTSAL PIIQKLEPQI AVANTYACKG LDRIEERLPI LNQPSTQIVA NAKGAVTGAK DAVTTTVTGA KDSVASTITG VMDKTKGAVT GSVEKTKSVV SGSINTVLGS RMMQLVSSGV ENALTKSELL VEQYLPLTEE ELEKEAKKVE GFDLVQKPSY YVRLGSLSTK LHSRAYQQAL SRVKEAKQKS QQTISQLHST VHLIEFARKN VYSANQKIQD AQDKLYLSWV EWKRSIGYDD TDESHCAEHI ESRTLAIARN LTQQLQTTCH TLLSNIQGVP QNIQDQAKHM GVMAGDIYSV FRNAASFKEV SDSLLTSSKG QLQKMKESLD 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.