

Recombinant Full Length Human PLIN2 Protein, GST-tagged

Cat. No. PLIN2-923HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ADFP full-length ORF (NP_001113.2, 1 a.a. - 437 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	437 amino acids
Description	The protein encoded by this gene 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. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Mar 2011]
Molecular Mass	74.5 kDa
AA Sequence	MASVAVDPQP SVVTRVVNLP LVSSTYDLMS SAYLSTKDQY PYLKSVCEMA ENGVKTITSV AMTSALPIIQ KLEPQIAVAN TYACKGLDRI EERLPILNQP STQIVANAKG AVTGAKDAVT TTVTGAKDSV ASTITGVMDK TKGAVTGSVE

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KTKSVVSGSI NTVLGSRMMQ LVSSGVENAL TKSELLVEQY LPLTEEELEK
 EAKKVEGFDL VQKPSYYVRL GSLSTKLHSR AYQQALSRVK EAKQKSQQT
 SQLHSTVHLI EFARKNVYSA NQKIQDAQDK LYLSWVEWKR SIGYDDTDES
 HCAEHIESRT LAIARNLTQQ LQTTCHTLLS NIQGVQNIQ DQAKHMGVMA
 GDIYSVFRNA ASFKEVSDSL LTSSKGQLQK MKESLDDVMD YLVNNTPLNW
 LVGPFYPQLT ESQNAQDQGA EMDKSSQETQ RSEHKTH

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION
Gene Name

PLIN2 perilipin 2 [Homo sapiens (human)]

Official Symbol

PLIN2

Synonyms

PLIN2; perilipin 2; ADFP; Adipophilin; Adipose differentiation related protein; Adipose differentiation-related protein; ADRP; MGC10598; Perilipin-2; perilipin-2; adipophilin; adipose differentiation-related protein

Gene ID

123

mRNA Refseq

NM_001122

Protein Refseq

NP_001113

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MIM	103195
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UniProt ID	Q99541
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