

# Recombinant Full Length Human PLIN2 Protein, GST-tagged

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

## SPECIFICATION

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



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

<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	PLIN2 perilipin 2 [ Homo sapiens (human) ]
<b>Official Symbol</b>	PLIN2
<b>Synonyms</b>	PLIN2; perilipin 2; ADFP; Adipophilin; Adipose differentiation related protein; Adipose differentiation-related protein; ADRP; MGC10598; Perilipin-2; perilipin-2; adipophilin; adipose differentiation-related protein
<b>Gene ID</b>	123
<b>mRNA Refseq</b>	NM_001122
<b>Protein Refseq</b>	NP_001113



<b>MIM</b>	103195
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<b>UniProt ID</b>	Q99541
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