

Recombinant Full Length Human PLIN2 Protein, C-Flag-tagged

Cat. No. PLIN2-2087HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PLIN2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	47.9 kDa
AA Sequence	MASVAVDPQPSVVTRVNLPLVSSTYDLMSAYLSTKDQYPYLKSVCEMAENGVKT ITSVAMTSALPIIQ KLEPQIAVANTYACKGLDRIEERLPILNQPSTQIVANAKGAVTGA KDAVTTTGTGAKDSVASTITGVMDK TKGAVTGSVEKTKSVVSGSINTVLGSRMMQL VSSGVENALTKSELLVEQYLPLETEEELEKEAKKVEGFDL VQKPSYYVRLGSLSTKLH

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SRAYQQALSRVKEAKQKSQQTISQLHSTVHLIEFARKNVYSANQKIQDAQDK LYLS
WVEWKRSIGYDDTDESHCAEHIESRTLAIARNLTQQLQTTCHTLLSNIQGVQPQNIQD
QAKHMGVMA GDIYSVFRNAASFKEVSDSLTSSKGQLQKMKESLDDVMDYLVNNT
PLNWLVGPFYPQLTESQNAQDQGA EMDKSSQETQRSEHKTH TRTRPLEQKLISEE
DLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Full Length	Full L.

GENE INFORMATION

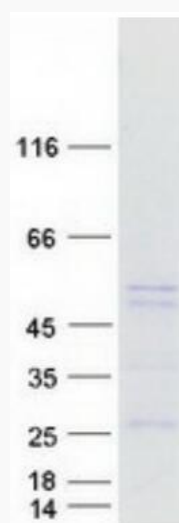
Gene Name	PLIN2 perilipin 2 [Homo sapiens (human)]
Official Symbol	PLIN2
Synonyms	ADFP; ADRP
Gene ID	123

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mRNA Refseq	NM_001122.4
Protein Refseq	NP_001113.2
MIM	103195
UniProt ID	Q99541



Coomassie blue staining of purified PLIN2 protein.