

Recombinant Human PLIN2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PLIN2-3014H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PLIN2 MS Standard C13 and N15-labeled recombinant protein (NP_001113) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	47.9 kDa
AA Sequence	MASVAVDPQPSVVTRVVNLPLVSSTYDLMSSAYLSTKDQYPYLKSVCEMAENGVKT ITSVAMTSALPIIQKLEPQIAVANTYACKGLDRIEERLPILNQPSTQIVANAKGAVTGAK DAVTTTGTGAKDSVASTITGVMDKTKGAVTGSVEKTKSVVSGSINTVLGSRMMQLVS SGVENALTKSELLVEQYLPLTEEELEKEAKKVEGFDLVQKPSYYVRLGSLSTKLHSR

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

AYQQALSRVKEAKQKSQQTISQLHSTVHLIEFARKNVYSANQKIQDAQDKLYLSWVE
 WKRSIGYDDTDESHCAEHIESRTLAIARNLTQQLQTTCHTLLSNIQGVQPQNIQDQAKH
 MGVMAGDIYSVFRNAASFKEVSDSLLTSSKGQLQKMKESLDDVMDYLVNNTPLNLWL
 VGPFPQLTESQNAQDQGAEMDKSSQETQRSEHKHTHTRTRPLEQKLISEEDLAAND
 ILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [PLIN2 perilipin 2 \[Homo sapiens \(human\) \]](#)

Official Symbol [PLIN2](#)

Synonyms PLIN2; perilipin 2; ADFP, adipose differentiation related protein; perilipin-2; adipophilin; ADRP; adipose differentiation-related protein; ADFP; MGC10598;

Gene ID [123](#)

mRNA Refseq [NM_001122](#)

Protein Refseq [NP_001113](#)

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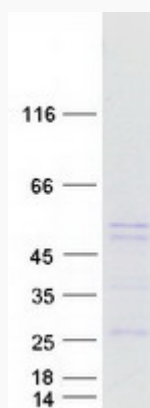
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MIM 103195

UniProt ID Q99541

SDS-PAGE



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