

Recombinant Human PLIN1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PLIN1-531H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PLIN1 MS Standard C13 and N15-labeled recombinant protein (NP_002657) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene coats lipid storage droplets in adipocytes, thereby protecting them until they can be broken down by hormone-sensitive lipase. The encoded protein is the major cAMP-dependent protein kinase substrate in adipocytes and, when unphosphorylated, may play a role in the inhibition of lipolysis. Alternatively spliced transcript variants varying in the 5' UTR, but encoding the same protein, have been found for this gene.
Molecular Mass	55.8 kDa
AA Sequence	MAVNKGLTLLDGDLPQENVLQRVLQLPVVSGTCECFQKTYTSTKEAHPLVASVCN AYEKGVQSASSLAAWSMEPVVRRLLSTQFTAANELACRGLDHLEEKIPALQYPPEKIA SELKDTISTRRLRSARNSISVPIASTSDKVLGAALAGCELAWGVARDTAEFAANTRAGR LASGGADLALGSIEKVVEYLLPADKEESAPAPGHQQAQESPKAKPSLLSRVGALTNT LSRYTVQTMARALEQGHTVAMWIPGVVPLSSLAQWGASVAMQAVSRRRSEVRVP WLHSLAAQEEEDHEDQTDTEGEDTEEEEEELETEENKFSEVAALPGPRGLLGGVAHT LQKTLQTTISAVTWAPAAVLGMAGRVLHLTPAPAVSSTKGRAMSLSDALKGVTDNV

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VDTVVHYVPLPRLSLMEPESEFRDIDNPPAEVERREAERRASGAPSAGPEPAPRLA
QPRRSLRSAQSPGAPPGGLEDEVATPAAPRPGFPAVPREKPKRRVSDSFFRPSV
MEPILGRTHYSQLRKKSTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 [PLIN1 perilipin 1 \[Homo sapiens \(human\) \]](#)

Official Symbol [PLIN1](#)

Synonyms PLIN1; perilipin 1; perilipin, PLIN; perilipin-1; lipid droplet-associated protein; PERI; PLIN; FPLD4;

Gene ID [5346](#)

mRNA Refseq [NM_002666](#)

Protein Refseq [NP_002657](#)

MIM [170290](#)

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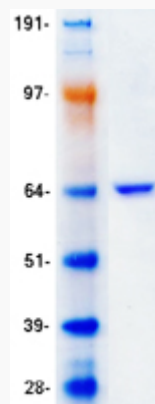
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UniProt ID

O60240

SDS-PAGE

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