

Recombinant Full Length Human PLIN1 Protein, C-Flag-tagged

Cat. No. PLIN1-130HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PLIN1 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 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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	55.8 kDa
AA Sequence	MAVNKGLTLLDGDLP EQENVLQRVLQLPVVSGTCECFQKTYTSTKEAHPLVASVCN AYEKGVSQASSLAA WSM EPVVRRLSTQFTAANELACRGLDHLEEKIPALQYPPEKI ASELKDTISTR LRSARNSISVPIASTSD KVLGAALAGCELA WGVARDTAEFAANTRA GRLASGGADLALGSIEKVVEYLLPADKEESAPAPGHQQAQE SPKAKPSLLSRVGAL TNTLSRYTVQTMARALEQGHTVAMWIPGVVPLSSLAQWGASVAMQAVSRRRSEVR VPWLHSLAAAQ EEDHEDQTDTEGEDTEEEEELETEENKFSEVAALPGPRGLLGGVA HTLQKTLQTTISAV TWAPAAVLGMAGRVLHLTPAPAVSSTKGRAMSLSDALKGVTD

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NVVDTVVHYVPLPRLSLMEPESEFRDID NPPAEVERREAERRASGAPSAGPEPAPR
LAQPRRSLRSAQSPGAPPGGLEDEVATPAAPRPGFPAVPRE
KPKRRVSDSFFRPSVMEPILGRTHYSQLRKKSTRTRPLEQKLISEEDLAANDILDYKD
DDDKV

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
Protein Pathways	PPAR signaling pathway
Full Length	Full L.

GENE INFORMATION

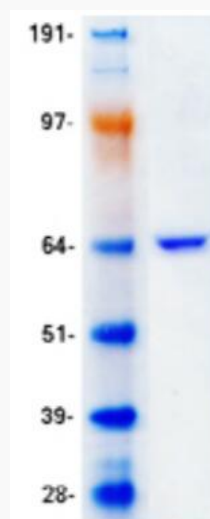
Gene Name	PLIN1 perilipin 1 [Homo sapiens (human)]
Official Symbol	PLIN1
Synonyms	PERI; PLIN; FPLD4

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Gene ID	5346
mRNA Refseq	NM_002666.5
Protein Refseq	NP_002657.3
MIM	170290
UniProt ID	O60240



Coomassie blue staining of purified PLIN1 protein.