

Product datasheet for **TP306292L**

Perilipin-1 (PLIN1) (NM_002666) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human perilipin (PLIN), transcript variant 1, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC206292 representing NM_002666 Red =Cloning site Green =Tags(s)

MAVNKGLTLLDGDLPQENVLQQRVLQLPVWVSGTCECFQKTYTSTKEAHPLVASVCNAYEKGVSASSLAA
WSMEPVVRRLLSTQFTAANELACRGLDHLEEKIPALQYPPEKIASLKDITSTRLSARNISVPIASTSD
KVLGAALAGCELAWGVARDTAEFAANTRAGRLASGGADLALGSIEKVEYLLPADKEESAPAPGHQQAQE
SPKAKPSLLSRVGALTNTLSRYTVQTMARALEQGHTVAMWIPGVVPLSSLAQWGASVAMQAVSRRRSEVR
VPWLHSLAAAQEEEDHEDQTDTEGEDTEEEEELETEENKFSEVAALPGPRGLLGGVAHTLQKTLQTTISAV
TWAPAAVLGMAGRVLHLPAPAVSSTKGRAMSLSDALKGVTDNVVDTVWHYVPLPRLSLMEPESEFRDID
NPPAEVERREAERRASGAPSAGPEPAPRLAQRRLSLSAQSPGAPPGPGLLEDEVATPAAPRPGFPAVPRE
KPKRRVSDSFFRPSVMEPILGRTHYSQLRKKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	55.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP_002657](#)

Locus ID: 5346

UniProt ID: [O60240](#)

RefSeq Size: 2922

Cytogenetics: 15q26.1

RefSeq ORF: 1566

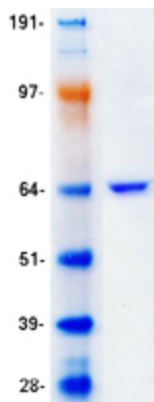
Synonyms: FPLD4; PERI; PLIN

Summary: 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. [provided by RefSeq, Feb 2009]

Protein Families: Druggable Genome

Protein Pathways: PPAR signaling pathway

Product images:



Coomassie blue staining of purified PLIN1 protein (Cat# [TP306292]). The protein was produced from HEK293T cells transfected with PLIN1 cDNA clone (Cat# [RC206292]) using MegaTran 2.0 (Cat# [TT210002]).