

Recombinant Human PLIN3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PLIN3-3911H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PLIN3 MS Standard C13 and N15-labeled recombinant protein (NP_005808) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Mannose 6-phosphate receptors (MPRs) deliver lysosomal hydrolase from the Golgi to endosomes and then return to the Golgi complex. The protein encoded by this gene interacts with the cytoplasmic domains of both cation-independent and cation-dependent MPRs, and is required for endosome-to-Golgi transport. This protein also binds directly to the GTPase RAB9 (RAB9A), a member of the RAS oncogene family. The interaction with RAB9 has been shown to increase the affinity of this protein for its cargo. Multiple transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	46.9 kDa
AA Sequence	MSADGAEADGSTQVTVEEPVQQPSVDRVASMPLISSTCDMVSAAYASTKESYPHI KTVCDAAEKGVRTLTAAVSGAQPILSKLEPQIASASEYAHRLDKLEENLPILQQPT EKVLADTKELVSSKVSGAQEMVSSAKDTVATQLSEAVDATRGAVQSGVDKTKSVVT GGVQSVMGSRGQMVLSGVDTVLGKSEEWADNHLPLTDAELARIATSLDGFDVAS VQQQRQEYSYFVRLGSLSERLRQHAYEHSGLKLRATKQRAQEALLQLSQALSLMET

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VKQGV DQKLVEGQEKLHQM WLSWNQKQLQGPEKEPPKPEQVESRALT MFRDIAQ
 QLQATCTSLGSSIQGLPTNVKDQVQQARRQVEDLQATFSSIHSFQDLSSSILAQSRE
 RVASAREALDHMVEYVAQNTPTVTWLVGPFAPGITEKAPEEKKTRTRPLEQKLISEED
 LAANDILDYKDDDDKV

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 [PLIN3 perilipin 3 \[Homo sapiens \(human\) \]](#)

Official Symbol [PLIN3](#)

Synonyms PLIN3; perilipin 3; M6PRBP1, mannose 6 phosphate receptor binding protein 1; perilipin-3; cargo selection protein (mannose 6 phosphate receptor binding protein); MPR BINDING PROTEIN; 47 KD; placental protein 17; PP17; TIP47; 47 kDa MPR-binding protein; cargo selection protein TIP47; tail-interacting protein, 47 kD; mannose-6-phosphate receptor-binding protein 1; M6PRBP1; MGC2012; MGC11117;

Gene ID [10226](#)

mRNA Refseq [NM_005817](#)

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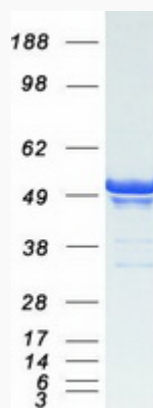
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Protein Refseq NP_005808

MIM 602702

UniProt ID O60664

SDS-PAGE



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