

Recombinant Full Length Human PLIN3 Protein, C-Flag-tagged

Cat. No. PLIN3-2020HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PLIN3 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	46.9 kDa
AA Sequence	MSADGAEADGSTQVTVEEPVQQPSVVDVASMPLISSTCDMVSAAYASTKESYPHI KTVCDAAEKGVRTL TAAAVSGAQPILSKLEPQIASASEYAHRLDKLEENLPILQQPT EKVLADTKELVSSKVSQAQEMVSSAK DTVATQLSEAVDATRGAVQSGVDKTKSVV TGGVQSVMGSR LGQMVL SGVDTV LGKSEEWADNHLPLTDAE LARIATSLDGF DVA SVQQQRQE QSYFVRLGSLSERLRQHAYEHSLGKL RATKQRAQEALLQLSQALSLM

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E TVKQGVDQKLVEGQEKLHQMWLSWNQKQLQGPEKEPPKPEQVESRALTMRDI
 AQLQATCTSLGSSIQG LPTNVKDQVQQARRQVEDLQATFSSIHSFQDLSSSILAQS
 RERVASAREALDHMVEYVAQNTPTWLVGP FAPGITEKAPEEKK TRTRPLEQKLIS
 EEDLAANDILDYKDDDDKV

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
Full Length	Full L.

GENE INFORMATION

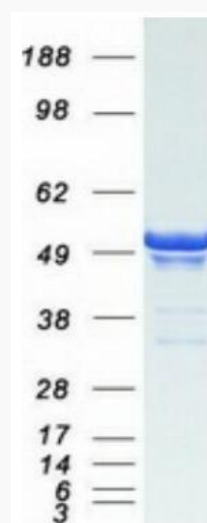
Gene Name	PLIN3 perilipin 3 [Homo sapiens (human)]
Official Symbol	PLIN3
Synonyms	PP17; TIP47; M6PRBP1
Gene ID	10226

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mRNA Refseq	NM_005817.5
Protein Refseq	NP_005808.3
MIM	602702
UniProt ID	O60664



Coomassie blue staining of purified PLIN3 protein.