

Recombinant Human PLIN3 protein, GST-tagged

Cat. No. PLIN3-321H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PLIN3(1 a.a. - 434 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	1-434 a.a.
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	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	73.48 kDa
AA Sequence	MSADGAEADGSTQVTVEEPVQQPSVVDRAVSMPLISSTCDMVSAAYASTKESYPH VKTVCDAAEKGVRTLAAAVSGAQPILSKLEPQIASASEYAHRGDKLEENLPILQQP TEKVLADTKELVSSKVSGAQEMVSSAKDVTATQLSEAVDATRGAVQSGVDKTKSVV

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TGGVQSVMGSR LGQMVL SGVDTV LGKSEE WADNHL PLTDAELARIATSLDGF DVAS
VQQQRQE QSYFVRLGSLSERLRQHAYE HSLGKL RATKQRAQEALLQLSQALSLMET
VKQGV DQKLVEGQEKLHQM WLSWNQKQLQGPEKEPPKPEQVESRALT MFRDIAQ
QLQATCTSLGSSIQGLPTNVKDQVQQARRQVEDLQATFSSIHSFQDLSSSILAQSRE
RVASAREALDHMVEYVAQNTPVTWLVGPFAPGITEKAPEEKK

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
Antibody Production; Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name

PLIN3 perilipin 3 [Homo sapiens]

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_001164189

Protein Refseq

NP_001157661

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MIM	602702
UniProt ID	O60664
Chromosome Location	19p13.3
Function	protein binding;
	