

Recombinant Full Length Human PLIN3 Protein, GST-tagged

Cat. No. PLIN3-684HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human PLIN3(1 a.a. - 434 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	434 amino acids
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	MSADGAEADG STQVTVEEPV QQPSVVDRA SMPLISSTCD MVSAAYASTK ESYPHVKTVC DAAEKGVRTL TAAVSGAQP ILSKLEPQIA SASEYHRGL DKLEENLPIL QQPTEKVLAD TKELVSSKVS GAQEMVSSAK DTVATQLSEA

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

VDATRGAVQS GVDKTKSVVT GGVQSVMGSR LGQMVLSGVD TVLGKSEEW
 DNHLPLTDAE LARIATSLDG FDVASVQQQR QEQSYFVRLG SLSERLRQHA
 YEHS LGKLRA TKQRAQEALL QLSQALSLME TVKQGVDQKL VEGQEKLHQM
 WLSWNQKQLQ GPEKEPPKPE QVESRALTMF RDIAQQLQAT CTSLGSSIQG
 LPTNVKDQVQ QARRQVEDLQ ATFSSIHFSQ DLSSSILAQS RERVASAREA
 LDHMVEYVAQ NTPVTWLVGP FAPGITEKAP EEKK

Applications

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

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

MIM

602702

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