

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

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

## SPECIFICATION

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

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

E TVKQGVDQKLVEGQEKLHQMWLSWNQKQLQGPEKEPPKPEQVESRALTMRDI  
 AQLQATCTSLGSSIQG LPTNVKDQVQQARRQVEDLQATFSSIHSFQDLSSSILAQS  
 RERVASAREALDHMVEYVAQNTPTWLVGP FAPGITEKAPEEKK TRTRPLEQKLIS  
 EEDLAANDILDYKDDDDKV

|                         |                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining.                                                                                  |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| <b>Storage</b>          | Store at -80 centigrade.                                                                                                                      |
| <b>Concentration</b>    | >50 ug/mL as determined by microplate BCA method.                                                                                             |
| <b>Preparation</b>      | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                              |
| <b>Protein Families</b> | Druggable Genome                                                                                                                              |
| <b>Full Length</b>      | Full L.                                                                                                                                       |

## GENE INFORMATION

|                        |                                            |
|------------------------|--------------------------------------------|
| <b>Gene Name</b>       | PLIN3 perilipin 3 [ Homo sapiens (human) ] |
| <b>Official Symbol</b> | PLIN3                                      |
| <b>Synonyms</b>        | PP17; TIP47; M6PRBP1                       |
| <b>Gene ID</b>         | 10226                                      |

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

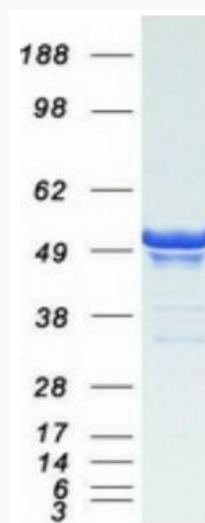
 45-1 Ramsey Road, Shirley, NY 11967, USA

**mRNA Refseq** [NM\\_005817.5](#)

**Protein Refseq** [NP\\_005808.3](#)

**MIM** [602702](#)

**UniProt ID** [O60664](#)



Coomassie blue staining of purified PLIN3 protein.

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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