Recombinant Human PLIN3 Protein, His-tagged

Cat. No. PLIN3-2597H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PLIN3 Protein (Glu134-Lys434) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Glu134-Lys434
Description	Mannose 6-phophate 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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 33.2 kDa Accurate Molecular Mass: 37 kDa
Endotoxin	<1.0 EU per 1μg (determined by the LAL method).

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Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

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_001164189

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Protein Refseq	NP_001157661
MIM	602702
UniProt ID	O60664

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