

Product datasheet for PH301193

Perilipin 3 (PLIN3) (NM_005817) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PLIN3 MS Standard C13 and N15-labeled recombinant protein (NP_005808)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201193
Predicted MW:	46.9 kDa
Protein Sequence:	>RC201193 representing NM_005817 Red=Cloning site Green=Tags(s)

MSADGAEADGSTQVTVEEPVQQPSVVDVASMPLISSTCDMVSAAYASTKESYPHIKTVCDAAEKGVRTL
TAAAVSGAQPIILSKLEPQIASASEYAHRLDKLEENLPILQQPTEKVLADTKELVSSKVSQAQEMVSSAK
DTVATQLSEAVDATRGAVQSGVDKTKSVVTGGVQSVMSRGLGQMVLSGVDTVLGGKSEEWADNHLPLTDAE
LARIATSLDGFVDVASVQQRQEQSYFVRLGSLSERLRQHAYEHSGLKLRATKQRAQEALLQLSQALSLME
TVKQGVQKLVGGQEKLHQMWLSWNQKQLQGPEKPPKPEQVESRALTMFRDIAQQLQATCTSLGSSIQG
LPTNVKDQVQARQVEDLQATFSSIHSFQDLSSSILAQSRERVASAREALDHMVEYVAQNTPVTWL VGP
FAPGITEKAPEEKK

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_005808</u>
RefSeq Size:	2241
RefSeq ORF:	1302
Synonyms:	M6PRBP1; PP17; TIP47



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Locus ID: 10226

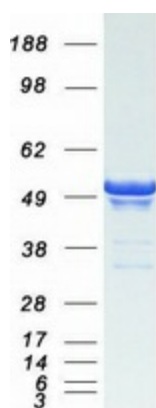
UniProt ID: [O60664](#)

Cytogenetics: 19p13.3

Summary: 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.[provided by RefSeq, Aug 2009]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified PLIN3 protein (Cat# [TP301193]). The protein was produced from HEK293T cells transfected with PLIN3 cDNA clone (Cat# [RC201193]) using MegaTran 2.0 (Cat# [TT210002]).