

# Recombinant Human PNPLA3 Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. PNPLA3-091H Lot. No. (See product label)

## SPECIFICATION

### Product Overview

PNPLA3 MS Standard C13 and N15-labeled recombinant protein (NP\_079501) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

### Species

Human

### Source

HEK293

### Description

The protein encoded by this gene is a triacylglycerol lipase that mediates triacylglycerol hydrolysis in adipocytes. The encoded protein, which appears to be membrane bound, may be involved in the balance of energy usage/storage in adipocytes.

### Molecular Mass

52.8 kDa

### AA Sequence

MYDAERGWSLSFAGCGFLGFYHVGATRCLSEHAPHLLRDARMLFGASAGALHCVG  
 VLSGIPLEQTLQVLSDLVRKARSRNIGIFHPSFNLSKFLRQGLGKCLPANVHQLISGKI  
 GISLTRVSDGENVLVSDFRSKDEVVDALVCSCFMPFYSGLIPPSFRGVRYVDGGVS  
 DNVPFIDAKTTITVSPFYGEYDICKPKVKSTNFLHVDITKLSRLCTGNLYLLSRAFVPP  
 DLKVLGEICLRGYLDAFRFLEEKGICNRPQPGLKSSSEGMDPEVAMP SWANMSLDS  
 SPESAALAVRLEGDEL LDHLRLSILPWDESILDTLSPRLATALSEEMKDKGGYMSKIC  
 NLLPIRIMSYVMLPCTLPVESAIIVQRLVTWLPDMPDDVLWLQWVTSQVFTRVLMC  
 LLPASRSQMPVSSQQASPCTPEQDWPCWTPCSPEGCPAETKAEATPR SILRSSLNF  
 FLGNKVPAGAEG LSTFSPFSLEKSLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>Storage</b>	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	50 µg/mL as determined by BCA
<b>Storage Buffer</b>	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

<b>Gene Name</b>	PNPLA3 patatin like phospholipase domain containing 3 [ Homo sapiens (human) ]
<b>Official Symbol</b>	PNPLA3
<b>Synonyms</b>	PNPLA3; patatin like phospholipase domain containing 3; ADPN; C22orf20; iPLA(2)epsilon; 1-acylglycerol-3-phosphate O-acyltransferase PNPLA3; acylglycerol O-acyltransferase; acylglycerol transacylase; adiponutrin; calcium-independent phospholipase A2-epsilon; iPLA2-epsilon; iPLA2epsilon; lysophosphatidic acid acyltransferase; patatin-like phospholipase domain-containing protein 3; EC 2.3.1.51; EC 3.1.1.3
<b>Gene ID</b>	80339
<b>mRNA Refseq</b>	NM_025225
<b>Protein Refseq</b>	NP_079501
<b>MIM</b>	609567

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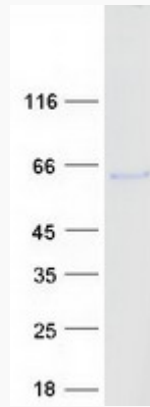
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UniProt ID

Q9NST1

SDS-PAGE



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