

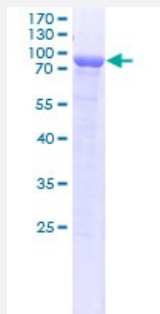
Full-Length

PNPLA3 (Human) Recombinant Protein (P02)

Catalog # H00080339-P02

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PNPLA3 full-length ORF (NP_079501.2, 1 a.a. - 481 a.a.) recombinant protein with GST tag at N-terminal.

Sequence

MYDAERGWSLSFAGCGFLGFYHVGATRCLSEHAPHLLRDARMLFGASAGALHCVGLSGIPLEQ
TLQVLSDLVRKARSRNIGIFHPSFNLSKFLRQGLCKCLPANVHQLISGKIGISLTRVSDGENVLVSD
FRSKDEVVDALVCSCFIPFYSGLIPPSFRGVRYVDGGVSDNVPFIDAKTTITVSPFYGEYDICKVK
STNFLHVDITKLSRLCTGNLYLLSRAFVPPDLKVLGEICLRGYLDAFRFLEEKGICNRPQPGLKSS
SEGMDPEVAMPSWANMSLDSSPESAALAVRLEGDELHDHLRLSILPWDESILDTLSPRLATALS
EEMKDKGGYMSKICNLLPIRIMSYVMLPCTLPVESAIAVQRLVTWLPDMPDDVLWLQWVTSQVFT
RVLMCLLPASRSQMPVSSQQASPCTPEQDWPCWTPCSPKGCPAETKAEATPRSILRSSLNFFL
GNKVPAGAEGLSTFPSFSLEKSL

Theoretical MW (kDa)

78.43

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — PNPLA3

Entrez GeneID [80339](#)

GeneBank Accession# [NM_025225.3](#)

Protein Accession# [NP_079501.2](#)

Gene Name PNPLA3

Gene Alias ADPN, C22orf20, iPLA(2)epsilon

Gene Description patatin-like phospholipase domain containing 3

Omim ID [609567](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations OTTHUMP00000028602|adiponutrin

Pathway

- [1- and 2-Methylnaphthalene degradation](#)
- [Benzoate degradation via CoA ligation](#)

- [Glycerolipid metabolism](#)
- [Glycerophospholipid metabolism](#)
- [Limonene and pinene degradation](#)
- [Metabolic pathways](#)
- [Phenylalanine metabolism](#)
- [Tyrosine metabolism](#)

Disease

- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Fatty Liver](#)
- [Fibrosis](#)
- [Genetic Predisposition to Disease](#)
- [Insulin Resistance](#)
- [Liver Cirrhosis](#)
- [Liver Diseases](#)
- [Metabolic Syndrome X](#)
- [Obesity](#)
- [Overweight](#)