

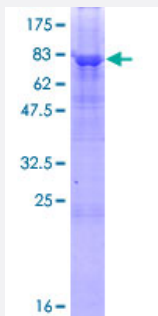
Full-Length

PNPLA3 (Human) Recombinant Protein (P01)

Catalog # H00080339-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PNPLA3 full-length ORF (AAH65195.1, 1 a.a. - 481 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MYDAERGWSLSFAGCGFLGFYHVGATRCLSEHAPHLLRDARMLFGASAGALHCVGLSGIPLEQ
TLQVLSDLVRKARSRNIGIFHPSFNLSKFLRQGLGKCLPANVHQLISGKIGISLTRVSDGENVLVSD
FRSKDEVVDALVCSCFMPFYSLIPPSFRGVRYVDGGVSDNVPFIDAKTTITVSPFYGEYDICKPV
KSTNFLHVDITKLSRLCTGNLYLLSRAVPPDLKVLGEICLRGYLDAFRFLEEKGICNRPQPGLKS
SSEGMDPEVAMPSWANMSLDSSPESAAALAVRLEGDELHDLRLSILPWDESILDTLSPRLATAL
SEEMKDKGGYMSKICNLLPIRIMSYVMLPCTLPVESAIANQRLVTWLPDMPDDVLWLQWVTSQVF
TRVLMCLLPASRSQMPVSSQASPCTPEQDWPCWTPCSPEGCPAETKAEATPRSILRSSLNFF
LGNKVPAGAEGLSTFPSFSLEKSL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

79.2

Interspecies Antigen Sequence

Mouse (67); Rat (65)

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#	BC065195.1
Protein Accession#	AAH65195.1
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

Publication Reference

- [Adiponutrin: A multimeric plasma protein.](#)

Winberg ME, Khalaj Motlagh M, Stenkula KG, Holm C, Jones HA.

Biochemical and Biophysical Research Communications 2014 Apr; 446(4):1114.

Application: IS, Human, Plasma

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](#)