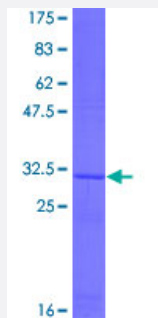


# AGPAT2 (Human) Recombinant Protein (Q01)

Catalog # H00010555-Q01

Size 25 ug, 10 ug

## Applications



## Specification

Product Description	Human AGPAT2 partial ORF ( NP_006403, 51 a.a. - 117 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	RHGGRTVENMSIIGWVFVRSFKYFYGLRFEVRDPRRLQEARPCVMSNHQSILDMMLMEVLPERC VQ
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	33.11
Interspecies Antigen Sequence	Mouse (76); Rat (75)
Preparation Method	<a href="#">in vitro wheat germ expression system</a>
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 — AGPAT2

Entrez GeneID	<a href="#">10555</a>
GeneBank Accession#	<a href="#">NM_006412</a>
Protein Accession#	<a href="#">NP_006403</a>
Gene Name	AGPAT2
Gene Alias	1-AGPAT2, BSCL, BSCL1, LPAAB, LPAAT-beta
Gene Description	1-acylglycerol-3-phosphate O-acyltransferase 2 (lysophosphatidic acid acyltransferase, beta)
Omim ID	<a href="#">603100</a> <a href="#">608594</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	This gene encodes a member of the 1-acylglycerol-3-phosphate O-acyltransferase family. The protein is located within the endoplasmic reticulum membrane and converts lysophosphatidic acid to phosphatidic acid, the second step in de novo phospholipid biosynthesis. Mutations in this gene have been associated with congenital generalized lipodystrophy (CGL), or Berardinelli-Seip syndrome, a disease characterized by a near absence of adipose tissue and severe insulin resistance. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq]
Other Designations	1-AGP acyltransferase 2 1-acyl-sn-glycerol-3-phosphate acyltransferase beta 1-acylglycerol-3-phosphate O-acyltransferase 2 1-acylglycerol-3-phosphate O-acyltransferase 2 (lysophosphatidic acid acyltransferase-beta) OTTHUMP00000022595 OTTHUMP00000022596 ly

## Pathway

- [Ether lipid metabolism](#)

- [Glycerolipid metabolism](#)
- [Glycerophospholipid metabolism](#)
- [Metabolic pathways](#)