

## Product datasheet for **SC208345**

### AGPAT2 (NM\_006412) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	AGPAT2 (NM_006412) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	AGPAT2
Synonyms:	1-AGPAT2; BSCL; BSCL1; LPAAB; LPAAT-beta
ACCN:	NM_006412
Insert Size:	639 bp
Insert Sequence:	>SC208345 3'UTR clone of NM_006412

The sequence shown below is from the reference sequence of NM\_006412. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GCGGGTCTGGCGTGCAGCCGGCCAGTAGCCCAGACCAGGCAGGGCATGACCTGGGGAGGGCAGGTG
GAAGCCGATGGCTGGAGGATGGGCAGAGGGGACTCCTCCGGCTTCCAAATACCACTGTCCGGCTCC
CCAGCTCTCACTCAGCCCGGAAGCAGGAAGCCCTTCTGTCACTGGCCTCAGACACAGGCCCTGGT
GTCCCCTGCAGGGGGCTCAGCTGGACCCTCCCCGGGCTCGAGGGCAGGGACTCGCGCCCACGGCACCTC
TGGGAGCTGGGATGATAAAGATGAGGCTTGC GGCTGTGGCCCGTGGTGGGCTGAGCCACAAGGCCCCC
GATGGCCAGGAGCAGATGGGAGGACCCGAGGCCAGACGCACTGTCCGAGCCCTGTCTCAGCCGC
CTGGGACCCAGGGTGCAGCTGGGCTCCAGGGTCCAGCCACAAGCTGCATCAGGCTCTCTGGGAGA
GGAGGGGCTGGAGGGCCAGGAGTCCAGACTCACGCACCCTGGGCCACAGGGAGCCGGGAATCGGGGC
CTGCTGCTCCTGCTGGCCTGGAAGACTCTGTGGGGTCAGCACTGTACTCCGTTGCTGTTTTTTATAAA
CACACTTTGGAAGTGGC
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

Restriction Sites:	Sgfl-Mlul
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.



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RefSeq: [NM\\_006412.4](#)

**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, Jul 2008]

**Locus ID:** 10555

**MW:** 22.9