

Product datasheet for **SC202728**

GPAT 2 (GPAT2) (NM_207328) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: GPAT 2 (GPAT2) (NM_207328) Human 3' UTR Clone
Symbol: GPAT 2
Synonyms: CT123
Mammalian Cell Selection: Neomycin
Vector: pMirTarget (PS100062)
ACCN: NM_207328
Insert Size: 243 bp
Insert Sequence: >SC202728 3'UTR clone of NM_207328
The sequence shown below is from the reference sequence of NM_207328. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG  
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC  
CAGTTCATCCGGCAGTTCATTTGTAGCTAGAACTGTGAGGAGGAGCCTGTGCTGAGACTTCTCAGCCCC  
AGAACACAGCTGTGCTCCTAGAGCCAGAAGATGGAGAGGAGGCTGCAAACCCTTAGCTGCTCTATAAATA  
TAATCATTGAGGCTTGATTGCCCTTGCCATCTCTTGCTTTTTCCCTTTTGTATGTGATAAACAAGGG  
GACGAGACGAGTTGTCTTTTCCCAGCCCAGCAGCA  
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA  
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

Restriction Sites: SgfI-MluI

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.

RefSeq: [NM_207328.4](#)



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Summary: Esterifies acyl-group from acyl-ACP to the sn-1 position of glycerol-3-phosphate, an essential step in glycerolipid biosynthesis. Required for primary processing step during piRNA biosynthesis. Molecular mechanisms by which it promotes piRNA biosynthesis are unclear and do not involve its acyltransferase activity.[UniProtKB/Swiss-Prot Function]

Locus ID: 150763

MW: 9.1