

Product datasheet for **MR218254**

Agpat2 (NM_026212) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Agpat2 (NM_026212) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Agpat2
Synonyms:	2510002J07Rik; AV000834; BSCL; BSCL1; LPAAB; LPAAT-beta
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR218254 representing NM_026212 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACCCGTGGCCATGGCTGACGGCGCGCTGCTGCTGCTGTTGCTGCTTGTGCAGCTGAGCCGCACAG
CCAGGTTCTACGCCAAGGTCGGTCTCTACTGCGTGCTCTGCCTGTCTTCTCCGCCGCGGCTCGATCGT
CTGCCTGCTGCGCCACGGCGGCCGACCGTGGATAACATGAGCATCATCAGCTGGTTCGTTCCGGTCTTC
AAGTACGTGTATGGCCTTCGCTTTGAGGTCAGCGGACAGAAGAACTGGAGGTGGATGGTCCCTGTGTCA
TCATCTCTAATCACCAGAGCATCCTGGACATGATGGGTCTCATGAAATACTCCCTAAGCGCTGTGTGCA
GATCGCCAAGCGTGAGCTAATGTTACAGGGCCTGTGGGCTCATCATGTACCTGGGGGTGCTACTTC
ATCAACCGCCAGCAAGCCAGAAGTGCATGTCTGTGATGGCCGACCTGGGCGACCTCATGGTCAAGGAGA
ATCTCAAAGTGTGGATCTACCCAGAGGGTACACGCAACGACAATGGGGACCTGTTGCCCTTTAAAAAAGG
AGCCTTCTACTTGGCCATCCAGGCCAGGTGCCCATCATCCCCGTGGTGTACTCGTCTTTCTCTTCTTC
TACAATGTCAAGACGAAGCTCTTACCTCAGGAACAATCAAGGTACAAGTGTGGATGCTGTCCCTACCA
ATGGTCTGACAGATGCTGATGTACCAAGCTGGTGGACACTTGTACCAGTCCATGAGGGCCACCTTTCT
ACAGATTTCTCAGATTCGCCAAGAGAAGTCTGCCATTAAGGAGCCTGGGGTCTTGCCAGCCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR218254 representing NM_026212
Red=Cloning site Green=Tags(s)

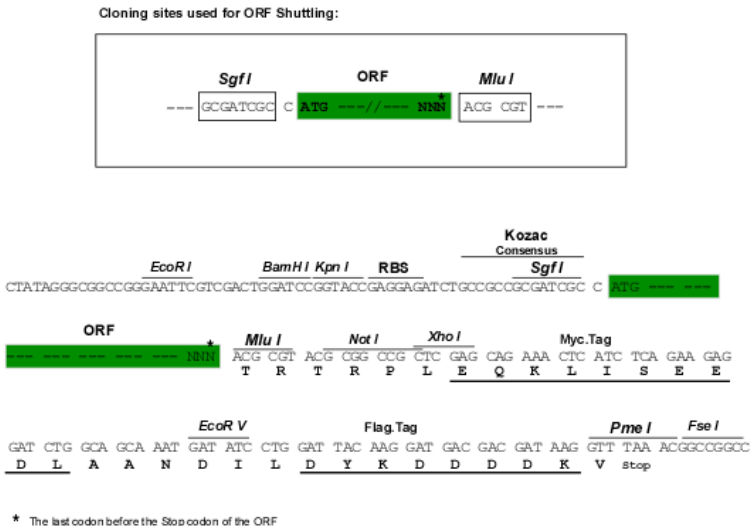
```
MDPWPWLTAAALLLLLLVQLSRTARFYAKVGLYCVLCLSFSAASIVCLLRHGGRTVDNMSIISWFVRSF
KYVYGLRFEVSGQKLEVDGPCV IISNHQSILDMGLMEILPKRCVQIAKRELMFTGVPVGLIMYLGGVYF
INRQQARTAMSVADLGDLMVKENLKVWIYPEGTRNDNGDLLPFKKGAFYLAIQAQVPIIPVYSSFSFF
YNVKTKLFTSGTIKVQLDAVPTNGLTDADVTKLVDTCYQSMRATFLQISQIPQENSAIKEPGLPAQ
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9024_a07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_026212

ORF Size: 834 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_026212.2](#), [NP_080488.1](#)

RefSeq Size: 837 bp

RefSeq ORF: 837 bp

Locus ID: 67512

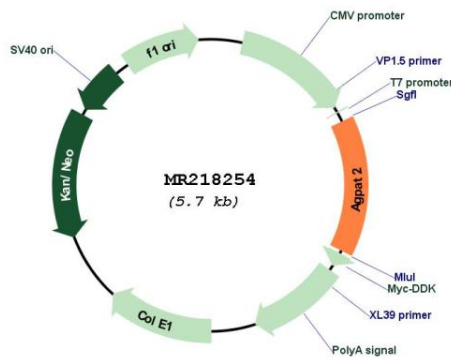
UniProt ID: [Q8K3K7](#)

Cytogenetics: 2 A3

MW: 31.5 kDa

Gene Summary: Converts 1-acyl-sn-glycerol-3-phosphate (lysophosphatidic acid or LPA) into 1,2-diacyl-sn-glycerol-3-phosphate (phosphatidic acid or PA) by incorporating an acyl moiety at the sn-2 position of the glycerol backbone.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR218254