

Product datasheet for **MG218254**

Agpat2 (NM_026212) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Agpat2 (NM_026212) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Agpat2
Synonyms:	2510002J07Rik; AV000834; BSCL; BSCL1; LPAAB; LPAAT-beta
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG218254 representing NM_026212 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACCCGTGGCCATGGCTGACGGCGGCGTCTGCTGCTGTTGCTGCTGTGCAGCTGAGCCGCACAG
CCAGGTTCTACGCCAAGGTCGGTCTCTACTGCGTGCTCTGCCTGTCTTCCGCCCGGCCCTCGATCGT
CTGCCTGCTGCGCCACGGCGGCCGACCGTGGATAACATGAGCATCATCAGCTGGTTCGTTCCGGTCTTC
AAGTACGTGTATGGCCTTCGCTTTGAGGTCAGCGGACAGAAGAACTGGAGGTGGATGGTCCCTGTGTCA
TCATCTCTAATCACCAGAGCATCCTGGACATGATGGGTCTCATGAAATACTCCCTAAGCGCTGTGTGCA
GATCGCCAAGCGTGAGCTAATGTTACAGGGCCTGTGGGCTCATCATGTACCTGGGGGTGTCTACTTC
ATCAACCGCCAGCAAGCCAGAAGTCCATGCTGTGTATGGCCGACCTGGGCGACCTCATGGTCAAGGAGA
ATCTCAAAGTGTGGATCTACCCAGAGGGTACACGCAACGACAATGGGGACCTGTTGCCCTTTAAAAAAGG
AGCCTTCTACTTGGCCATCCAGGCCAGGTGCCCATCATCCCCGTGGTGTACTCGTCTTTCTCTTCTTC
TACAATGTCAAGACGAAGCTCTTACCTCAGGAACAATCAAGGTACAAGTGTGGATGCTGTCCCTACCA
ATGGTCTGACAGATGCTGATGTACCAAGCTGGTGGACTTGTACCAGTCCATGAGGGCCACCTTTCT
ACAGATTTCTCAGATTCGCCAAGAGAAGTCTGCCATTAAGGAGCCTGGGGTCTTGCCAGCCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG218254 representing NM_026212
 Red=Cloning site Green=Tags(s)

MDPWPWLTAAALLLLLLVQLSRTARFYAKVGLYCVLCLSFSAASIVCLLRHGGRTVDNMSIISWVFRSF
 KYVYGLRFEVSGQKLEVDGPCVIISNHQSILDMGLMEILPKRCVQIAKRELMFTGPPVGLIMYLGGVYF
 INRQQARTAMSVADLGDLMVKENLKVWIYPEGTRNDNGDLLPFKKGAFYLAIQAQVPIIPVYSSFSF
 YNVKTKLFTSGTIKVQLDAVPTNGLTDADVTKLVDTCYQSMRATFLQISQIPQENSAIKEPGLPAQ

TRTRPLE - GFP Tag - V

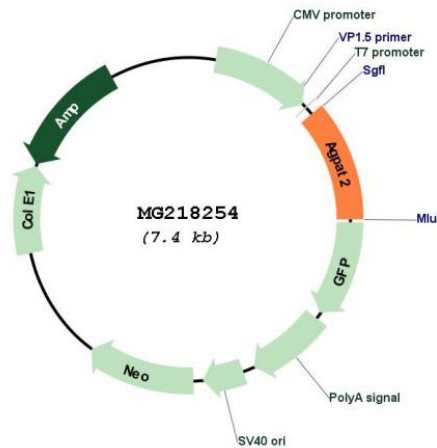
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



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:	<ol style="list-style-type: none">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
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]