

## Product datasheet for RR212634

### Agpat4 (NM\_133406) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Agpat4 (NM_133406) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Agpat4
Synonyms:	MGC93227
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR212634 representing NM_133406 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACCTCATCGGGCTGCTGAAGTCCCAGTTTCTGTGCACCTGGTCTTCTGCTACGTGTTTCATCGCT  
CCGGGCTCATTGTCAACGCCATCCAGCTGTGCACGCTGGTTCATCTGGCCATCAACAAGCAGCTGTTCCG  
AAAGATAAACGCCAGACTCTGCTACTGCGTCTCCAGCCAGTTGGTGATGCTTCTGGAGTGGTGGTCAAGT  
ACGGAGTGTACCATCTACACCGACCCGAAGGCCTCCCCCACTACGGGAAGGAAAACGCCATCGTGGTTC  
TCAATCACAAGTTTGAGATTGACTTTCTCTGTGGCTGGAGCCTGGCTGAGCGCCTAGGGATCCTGGGAA  
CTCCAAAGTCTGGCCAAGAAAGAACTGGCTTATGTCCCATCATTGGCTGGATGTGGTACTTTGTGGAA  
ATGATCTTCTGCACACGCAAGTGGGAGCAAGATCGGCAGACGGTTGCCAAGAGCCTGCTGCACCTCCGGG  
ACTACCCAGAGAAGTATCTGTTTCTGATCCACTGTGAGGGCACACGGTTCACAGAGAAGAAACACCAAT  
CAGCATGCAGGTGGCCAAGCCAAGGGGCTGCCAGCCTCAAGCATCACCTGCTGCCACGCACCAAGGGC  
TTTGCTATCACTGTGAAGTGCTTGGGAGATGTTGTCCAGCCGTATATGACTGTACTCAATTTTCAGAA  
ACAATGAAAACCAACTGCTGGGAGTCTTAAATGAAAAGAAATACACGCTGACTGCTACGTTAGGAG  
GATCCCCATGGAAGACATCCCTGAGGATGAGGACAAGTGCTCAGCCTGGCTACACAAGCTCTACAGGAG  
AAGGATGCCTTTTCAGGAGGAATACTACAGGACAGGGGCTTCCAGAGACTCCCTGGGTTCCCCACGGC  
GGCCCTGGTCTCTGGTCAACTGGTTGTTCTGGCGTCGTTGCTGCTCTATCCTTTCTTCCAGTTCCTTGT  
TAGCATGGTCAGCAGCGTTTCTCGGTGACGCTGGCCAGCTTGGTCTCATCTTCTGCATGGCCTCCATG  
GGAGTTCGATGGATGATTGGTGTGACAGAAATCGACAAGGGCTCTGCCTATGGCAACATCGACAACAAC  
GAAACAAACTGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >RR212634 representing NM\_133406  
Red=Cloning site Green=Tags(s)

MDLIGLLKSQFLCHLVFCYVFVIASGLIVNAIQLCTLVIWPINKQLFRKINARLCYCVSSQLVMLLEWWSG  
 TECTIYTDPKASPHYGKENAIVVLNHHKFEIDFLCGWSLAERLILGNSKVLAKKELAYVPIIGWMYFVE  
 MIFCTRKWEQDRQTVAKSLLHLRDYPEKYLFLIHCEGTRFTEKKHQISMVQAQAKGLPSLKHLLPRTKG  
 FAITVKCLRDRVPAVYDCTLNFRNNENPTLLGVLNGKKYHADCVRRIPMEDIPEDDKCSAWLHKLYQE  
 KDAFQEEYYRTGVFPETPWVPPRRPWSLVNWLFWASLLLYPFFQFLVSMVSSGSSVTLASLVLIFCMASM  
 GVRWMIGVTEIDKGSAYGNIDNKRKQTD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

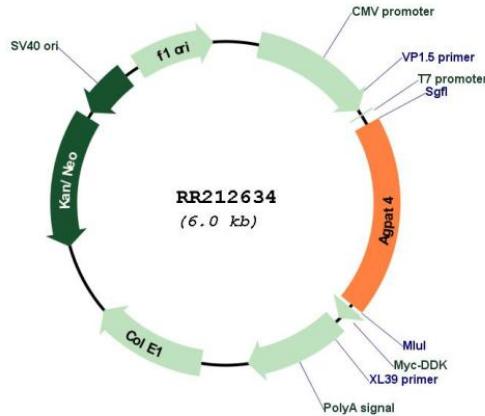
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_133406

<b>ORF Size:</b>	1134 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_133406.1</a> , <a href="#">NP_596897.1</a>
<b>RefSeq Size:</b>	1868 bp
<b>RefSeq ORF:</b>	1137 bp
<b>Locus ID:</b>	170919
<b>UniProt ID:</b>	<a href="#">Q924S1</a>
<b>Cytogenetics:</b>	1q11
<b>MW:</b>	43.8 kDa
<b>Gene Summary:</b>	lysophosphatidic acid acyltransferase [RGD, Feb 2006]