

Product datasheet for **RR210194**

Agps (NM_053350) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Agps (NM_053350) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Agps
Synonyms:	Adap-s; Adps; Ads
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR210194 representing NM_053350
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTCGCGCGGGCGCCGCTCTGAGTGACCTTTCACCCGCGCCAGCGCCTCGGGCGGCAGCACAAAGG
 CGGAAGCCATGGCGGAGGCGGGGAGAGCGGGCGCGAGCGAGCGGGACCCAGACGCGGTCCGCGCGCG
 TCGGCGGCTGCGGGTTCTGTCGGGCCATCTGCTGGGCCGGCCCCAGGAGGCTCCGAGTACCAATGAGTGC
 AAAGCGCGGAGAGCCGCGTGGCGGGCGGGGCGTCCGCCGCTGCTTCCCGCGCGCCGGAGTCCGGCA
 CCATCCCCAAGAAGCGGCAAGAACTTATGAAATGGAATGGATGGGGCTATAATGATTCCAAGTTCTTACT
 GAATAAGAAGGGCCAGGTTGAGCTGACTGGAAAAGGTACCCTCTTAGTGGCTTGCTTTACCAACTTTG
 AAAGACTGGATCCAAAACACCCTTGGAGTAAATCTGGAGCATAAACTACCTCTAAACCATCCATAAATC
 CTAGTGAAGCACCTCCTTCTATTGTGAATGAAGATTTCCCTCAGGAACTAAAGAAGCTCATATTTCTCA
 CTCACAAGACGCAGATGATCGTGTGTTAGAGCTCACGGTCATTGTCTTCATGAGATATTTTTGCTCAGA
 GAAGGGATGTTTGAGCGGATTCCTGATATAGTTGTATGGCCAACATGTATGATGATGATGATGATGATGATG
 TGAATCTAGCGTGCAAAATAACCTTTGTATCATACCAATTGGTGGGGGAACGAGTGTATCCTATGGCCT
 GATGTGCCCTGCAGATGAGACAAGAACAATAATTTCTTTGGATACTTCACAAATGAACCGGATTCTCTGG
 GTTGATGAGAACAATCTGACAGCTCACGTAGAGGCTGGGATAACAGGACAAGATTTGAAAAGACAGCTTA
 AAGAAAGTGGTTATTGTACAGGTCATGAACCGGACTCCCTAGAATTCAGCATCGTGGGAGGATGGATATC
 TACTCGAGCATCAGGCATGAAGAAGAATGTCTACGGCAATATTGAGGACCTGGTGGTTACATGAAAATG
 GTAACACCTAGAGGTGTAATAGAGAAAAGCTCCAAGGCCCTCGGATGTCAACGGGGCCTGATATCCATC
 ACTTCATCATGGGCTCTGAAGGAACTCTTGGTGTAAACAGAAGCTACAATAAAAAATCAGACCAACTCC
 TGAATACCAAAAAGTATGGTTCAGTGGCTTCCCTAATTTTGAACAAGGTGTAGCCTGTTTAAGAGAATT
 GCAAAGCAGAGATGTGCTCCTGCATCTATCCGCCCTCATGGACAACCAGCAGTTTCAGTTTGGGCATGCTC
 TTAACCTCAGGTCTCCTCTATTTTTACGTCATTTTTGGATGGATTCAAAAAGTTTTATATTACAAAAGTT
 TAAAGGATTTGATCCAAATCAAATAAGCGTAGCCACATTACTGTTTCGAGGGAGACCGTGAGAAGTTCTT
 CAGCATGAAAAACAAGTGTATGACATCGCAGCAAAATTTGGTGGTCTGGCTGCTGGAGAAGATAACGGGC
 AGAGGGGTTATTTGCTGACTTATGTCATTGCATACATGCGTGATTTGGGTTTGAATACTATGTAGTAGG
 AGAATCTTTTGGACTTCTGCTCCTTGGACAGGGTTATAGATCTGTGTAGAAATGTAAGAAAGGATA
 AGAAGGGAATGCAAAGAAAGGGAGTTCAAGTTTGGCCTTTTCTACGTGCAGGGTGACGCAGACTTACG
 ATGCAGGTGCATGTATCTACTTCTATTTTGCCTTAACTACAGGGGAATTAGTGACCCACTGACTGTGTT
 TGAACAGACTGAGGCAGCTGCTAGAGATGAAATCCTTGCCAATGGAGGGAGCCTGTCACATCACCATGGA
 GTGGGCAAGTTACGAAAGCAGTGGCTAAAGGAGAGCATCTCTGATGTCGGCTTTGGGATGCTAAAGTCTG
 TCAAAGACTATGTGGACCCAGTAACATCTTTGAAAACAGAAACCTTTTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR210194 representing NM_053350
Red=Cloning site Green=Tags(s)

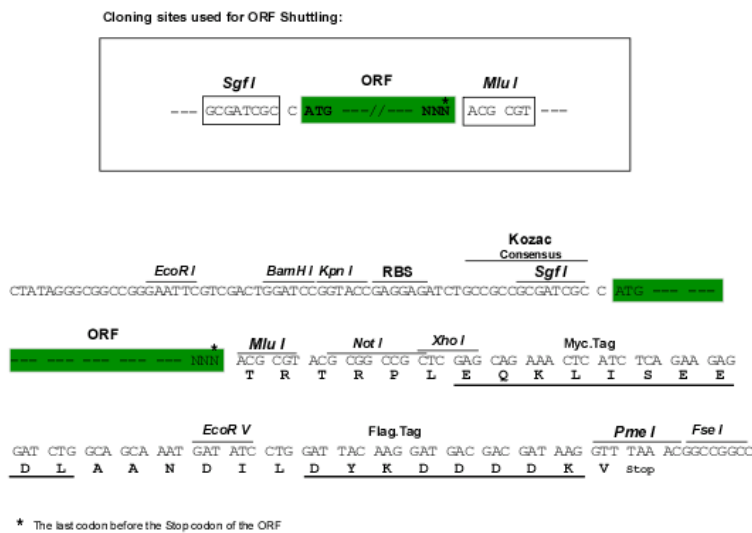
MVARGAALSDLSPAPSGLGRQHKAEAMAEAGEAGASERDPDAVRARRRLRVL SGHLLGRPQEAPSTNEC
 KARRAASAAGASPAASPAAPESGTIPKKRQELMKWNGWYNDKFLNKKGQVELTGKRYPLSGLALPTL
 KDWIQNTLGVNLEHKTTSKPSINPSEAPPSIVNEDFLQELKEAHSYSQDADDRVFRAGHCLHEIFLLR
 EGMFERIPDIVVWPTCHDDVVKIVNLACKYNLCIPIGGGTSVSYGLMCPADETRTIIISLDTSQMNRILW
 VDENNLTAHVEAGITGQDLERQLKESGYCTGHEPDSLEFIVGGWISTRASGMKKNVYGNIEDLVVHKM
 VTPRGVIEKSSQGPRMSTGPDIIHFFIMGSEGLGVITEATIKIRPTPEYQKYGSVAFPNFEQGVACLREI
 AKQRCAPASIRLMDNQFQFGHALKPQVSSIFTSFLDGFKKFYITKFKGFDPNQISVATLLFEGDREKVL
 QHEKQVYDIAAKFGGLAAGEDNGQRGYLLTYVIA YMRDLGLEYYVVGESFETSAPWDRVIDLCRNVKERI
 RRECKERGVQFAPLSTCRVTQTYDAGACIYFYAFNYRGISDPLTVFEQTEAAARDEILANGGSLSHHHG
 VGKLRKQWLKESISDVGFGLKSVKDYVDPNIFGNRLL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_053350

ORF Size: 2010 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_053350.2](#), [NP_445802.2](#)

RefSeq Size: 2144 bp

RefSeq ORF: 2013 bp

Locus ID: 84114

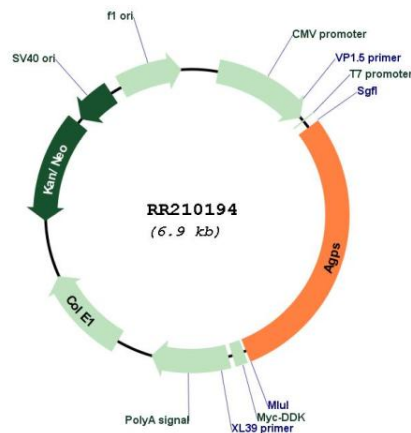
UniProt ID: [Q9EQR2](#)

Cytogenetics: 3q23

MW: 74.2 kDa

Gene Summary: Catalyzes the exchange of an acyl for a long-chain alkyl group and the formation of the ether bond in the biosynthesis of ether phospholipids.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR210194