

Product datasheet for **RN204297**

Alpl (NM_013059) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Alpl (NM_013059) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Alpl
Synonyms:	Akp2; PHOA
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN204297 representing NM_013059
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATCTTGCCATTTTTAGTACTGGCCATCGGACCCTGCCTTACCAACTCATTGTGCCAGAGAAGAGA
 AAGACCCAGTTACTGGGACAGCAAGCCCAAGAGACCTTGAAAAATGCCCTGAAACTCCAAAACTCAA
 CACCAACGTGGCCAAGAACATCATCATGTTCTGGGAGATGGTATGGGCGTCTCCACAGTGACAGCTGCC
 CGCATCCTTAAGGGCCAGCTACACCACAACACGGGCGAGGAGACACGGCTGGAGATGGACAAGTTCCCTT
 TTGTGGCTCTCTCAAGACGTACAACACCAACGCTCAGGTCCCCGACAGCGGGGACTGCCACTGCCTA
 CTTGTGTGGCGTGAAGGCCAACGAGGGCACCGTGGGAGTGAGCGCGGCCACTGAGCGCACGCGATGCAAC
 ACCACTCAGGGGAACGAGGTCACGTCCATCCTGCGCTGGCCAAGGATGCTGGGAAGTCCGTGGGCATCG
 TGACCACCACTCGGTGAACCACGCCACTCCCAGTGCAGCCTATGCGCACTCGGCCGATCGGGACTGGTA
 CTCGGACAATGAGATGCGCCCAGAGGCTCTGAGCCAGGGCTGCAAGGACATCGCCTATCAGTAATGCAC
 AACATCAAGGACATCGATGTGATCATGGGTGGTGGCCGGAAGTACATGTACCCCAAGAACAGAAGTATG
 TGGAAATGAACTGGATGAGAAGGCCAGGGCACCAGACTGGATGGCCTGGACCTCATCAGCATTGGAA
 GAGCTTCAAACCTAGACACAAGCACTCCCACTATGTCTGGAACCGCACTGAACTGCTGGCCCTTGACCCC
 TCCAGGGTGGACTACCTCTTAGGTCTCTTTGAGCCCGGGACATGCAGTATGAGTTGAATCGGAACAACC
 TGACTGACCCCTCCCTCTCGGAGATGGTGGAGGTGGCCCTCCGGATCCTGACAAAGAATCCCAAAGGCTT
 CTTCTTGCTAGTGAAGGAGGCAGGATTGACCACGGGCACCATGAAGGCAAGGCCAAGCAGGCGCTGCAT
 GAGGCCGTGGAGATGGATGAGGCCATCGGAAAGCGGGCACCATGACTTCCAGAAAGACACGTTGACTG
 TGGTTACTGTGATCACTCCCACGTTTTACGTTTTGGTGGCTACACCCCAAGGGCACTCCATTTTTGG
 TCTGGCTCCCATGGTGAGCGACACGGACAAGAAGCCCTTCACAGCCATCCTGTATGGCAACGGGCCTGGT
 TACAAGGTGGTGGACGGTGAACGGGAGAACGTCTCCATGGTGGATTATGCTCACAACAACCTACCAGGCC
 AGTCCGCTGTCCCTGCGGCACGAGACCCACGGTGGGGAAGATGTGGCGGTCTTTGCCAAGGGCCCTAT
 GGCTCACCTGCTTACGGCGTCCATGAGCAGAATAACATCCCCACGTCATGGCGTATGCCTCCTGCATT
 GGAGCCAACCTTGACCACTGTGCTGGGCCAGCTCTGCGAGCAGCCCTCCCCAGGGGCCCTGCTGCTTC
 CACTGGCTCTGTTCCCTTACGCACCCTGTT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_013059

Insert Size: 1575 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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:	<u>NM_013059.1</u> , <u>NP_037191.1</u>
RefSeq Size:	2415 bp
RefSeq ORF:	1575 bp
Locus ID:	25586
UniProt ID:	<u>P08289</u>
Cytogenetics:	5q36
Gene Summary:	catalyzes the conversion of an orthophosphoric monoester to an alcohol phosphate [RGD, Feb 2006]