

## Product datasheet for **RN202370**

### Alpi (NM\_022665) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Alpi (NM_022665) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Alpi
Synonyms:	Alp1; S51097
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN202370 representing NM\_022665  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACGGGAGACTGGGTGCTGCTGCTGCTTTTGGGTCTCAGGATACATCTGTCCTTTGGTGTATCCAG  
 TGGAGGAGGAGAACCAGTCTTCTGGAATCAAAAGGCGAAGGAGGCCCTGGATGTTGCCAAAAGCTGCA  
 GCCATTACAGACATCGGCCAAGAACCTCATCTTCTTCTGGGAGATGGGATGGGGTACCCACAGTGACA  
 GCCACCAGGATACTAAAGGGACAACCTGGGTGGTATCTAGGACCTGAGACACCCCTGGCCATGGACCACT  
 TCCATTACGGCTCTGTCCAAGACATAACAACGTGGACAGACAGGTCCCAGACAGTGCAGGCACAGCCAC  
 CGCCTATCTCTGTGGGTCAAAGCCAACATAAGACCATCGGTGTGAGCGCGGCTGCTCGATTCAACCAG  
 TGCAACAGCACATTTGGCAACGAGGTCTTCTCAGTGATGCACCGTCAAAGAAAGCAGGGAAAGTCTGTGG  
 GCGTGGTACCAGCAGAGTGCAGCATGCCTTCTCCAGCCGGCACCTACGCGCACAGGTTAACCGAGA  
 CTGGTACTCGGATGCAGACATGCCTTCTCCGCCCTGCAGGAGGCTGCAAGGACATCGCCACACAGCTC  
 ATTTCCAACATGGACATTGATGTGATCCTTGGTGGAGGCCGAAAGTTCATGTTTCCCAAGGGGACACCAG  
 ACCCTGAATACCCAGGTGACTCTGACCAGTCTGGAGTCAAGGCTGGATAGTCGGAACCTGGTGGAGGAGTG  
 GCTGGCAAAATACCAGGGGACCCGGTATGTTTGGAAATCGAGAGCAGCTCATGCAGGCCTCTCAGGACCCA  
 GCAGTGACTCGCCTCATGGGCCTCTTTGAGCCGGCAGAAATGAAATATGATGTCAACCGAAACGCCTCAG  
 CAGACCCCTCCCTGGCAGAGATGACAGAGGTGGCCGTGCGCCTGCTGAGCAGGAATCCACAAGGCTTCTA  
 CCTTTTGTAGAAGGAGTTCGTATTGACCAAGGCCACCATGCGGGCACGGCTTACCTGGCACTGACTGAG  
 GCTGTCTATGTTGACTCCGCCATCGAAAAGGCCAGCCAGCTTACCAATGAGAAGGACACGCTAACGCTCA  
 TCACTGCGGACCACTCCCATGTCTTTGCTTTTGGTGGCTATACACTTAGGGGGACCTCCATCTTTGGTCT  
 GGCCCCACTCAATGCCAGGATGGCAAAATCCTACACCTCATTCTCTATGGCAACGGCCAGGTTATGTG  
 CTTAATTCAGGCAACCGCCCAATGTCCTGATGCGGAGAGTGGTGTGCAACTACAAGCAGCAGGCGAG  
 CAGTACCCTGTGCTGAGAGACCCAGGTGGGAGGACGTGGCCATATTCGCGCGTGGCCACAGGCGCA  
 CCTGGTGCACGGAGTGCAGGAACAGAACTACATCGCGCACGTGATGGCCTTCGACAGGCTGCCTGGAGCCC  
 TACACCGACTGCGGTCTGGCGCCCTGCAGACGAGAACAGACCAACCCCGGTCAGAACAGTGCCA  
 TCACTATGAACAATGTCTTCTGTCCCTGCAGTGTGGTGCAGCATGCTGCTGCTAGTCGGGACAGCCTT  
 GGTGGTGTCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_022665

**Insert Size:** 1623 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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\\_022665.3](#), [NP\\_073156.3](#)

**RefSeq Size:** 2226 bp

**RefSeq ORF:** 1623 bp

**Locus ID:** 24197

**Cytogenetics:** 9q35

**Gene Summary:** catalyzes the conversion of an orthophosphoric monoester to an alcohol phosphate [RGD, Feb 2006]