

Product datasheet for **MR215311**

Alpi (NM_001081082) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Alpi (NM_001081082) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Alpi
Synonyms:	2010001C14Rik; Akp6; glAP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR215311 representing NM_001081082
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCAGGGAGACTGGGTGCTGCTGTTGTTTTGGTCTCAGGATCCATCTGTCCTTTGGTATCATCCCAG
 CTGAAGAGGAGAACCCGGCCTTCTGGAACAAGAAGGCAGCTGAAGCCCTGGATGCTGCCAAGAAGCTGCA
 GCCATTACAGACATCAGCTAAGAACCTCATCATCTTCTGGGAGACGGGATGGGGTACCCACAGTGACA
 GCCACCAGGATCCTAAAGGGGAGTTGGAAGGCCATCTAGGACCGGAGACACCCCTAGCCATGGACCTCT
 TCCCATACATGGCTCTGTCCAAGACATAACAACGTGGACAGACAGGTCCCAGACAGCGCAGGCACAGCAAC
 CGCCTATCTGTGGGTCAAGGCCAACAAGACCATCGCCCTGAGTGCAGCTGCTCGATTAGACCAG
 TGCAACACCACATTTGGCAATGAGGCTTCTCAGTGATGTACCGTGCCAAGAAAGCAGGGAAGTCTGTGG
 GAGTGGTGACCAGCAGGGTGCAGCATGCCTCTCCAGCCGGCACCTACGCACACACGGTGAACCGTAA
 TTGGTACTCAGATGCAGAGATGCCTGCCTCTGCACTGCAGGACGGCTGCAAGGACATCGCCACTCAACT
 ATCTCCAACATGGACATTGATGTATCCTCGGTGGAGGCCGAAAGTTCATGTTTTCCAAGGGGACTCCAG
 ACCCTGAGTACCCAAGTACAGTAACCAGTCTGGAACCAGGCTGGATGATCAGAACCCTGGTGCAAAACGTG
 GCTGTCAAAGCATCAGGGAGCCCGGTATGTTTGGAAACCGATCAGAGCTCATTAGGCATCCCAGGACCCA
 GCAGTAACTCACCTATGGGCCTCTTTGAGCCAACAGAAATGAAATATGATGCCAACCAGAAACCCCTCAG
 TAGACCCTTCCCTGGCGGAGATGACAGAGGTGGCTGTGCGCATGCTCAGCAGGAATCCACAAGGCTTCTA
 CCTTTTGTAGAAGGGGGTTCGATTGACCAAGGCCACCATGCGGGCACAGTTACCTGGCACTGACTGAG
 GCTGTCTGTTTCGACTCGCCATCGAAAAGGCCAGCCAGCTTACCAATGAGAAGGACACGCTAATACTCA
 TCACTGTGACCCTCCCATGTCTTCGATTTGGTGGCTACACACTTAGGGGGACCTCCATCTTTGGTCT
 GGCCCCACTCAAAGCCCTAGATGACAAATCCTACACCTCATTCTCTATGGCAATGGTCCAGGTTATGAG
 CTGAAATCAGGCAACCGCCCAATGTCACCGAAGCTCAGAGTGTTGATCCCAACTACAAGCAGCAGGCGG
 CTGTACCCTGTGCTCAGAGACCCAGCGGGGAGGACGTGGCCATATTTGCGCGCGGCCCTCAGGCACA
 CCTGGTGACGGAGTTCAGGAGCAGAACTACATCGCGCACGTGATGGCATTGCGAGGCTGCTTAGAGCCC
 TACACCGACTGCGGCCTGGCGCCCCCTGCCGGCCAGAGCCCCGTCATACCCCGGGCCAGGCCACCACCA
 CAAACAACGCGGCCGGCCAGGCCACCACCACAAACAACGCGCGGCCAGGCCACTGTCTGCTGCTCCT
 GCAACTGCTGGTCAGCATGCTGCTGCTAGTAGGGACAGCCATGGTGGTGTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR215311 representing NM_001081082
 Red=Cloning site Green=Tags(s)

MQGDWVLLFLGLRIHLSFGIIPAEENPAFWNKKAAEALDAAKLLQPIQTSAKNLIIFLDGDMGVPTVT
 ATRILKGQLEHGLGPETPLAMDLPYMLSKTYNVDRQVPDSAGTATAYLCGVKANYKTIGLSAAARLDQ
 CNTTFGNEVFSVMYRAKKAGKSVGVVTTTRVQHASPAGTYAHTVNRNWYSDAEMPASALQDGCKDIATQL
 ISNMDIDVILGGGRKFMFPKGTDPPEYPSDSNQSGLRLDDQNLVQTWLSKHQGARYVWNRSELIQASQDP
 AVTHLMGLFEPTMKEYDANRNPVDPPLAEMTEVAVRMLSRNPQGFYLFVEGGRIDQGHAGTAYLALTE
 AVMFDSAIEKASQLTNEKDTLILITADHSHVFAFGGYTLRGTSLIFGLAPLKALDDKSYTSLYGNPGPYE
 LKSGNRPNVTEAQSVDPNYKQAAVPLSSETHGGEDVAIFARGPQAHLVHGVQEQNYIAHVMAFAGCLEP
 YTDCGLAPPAGQSPVITPGQATTTNNAAGQATTTNNAAGQATVLLSLQLLVSMILLVGTAMVVS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9036_b12.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001081082

ORF Size: 1662 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_001081082.2](#), [NP_001074551.1](#)

RefSeq Size: 2335 bp

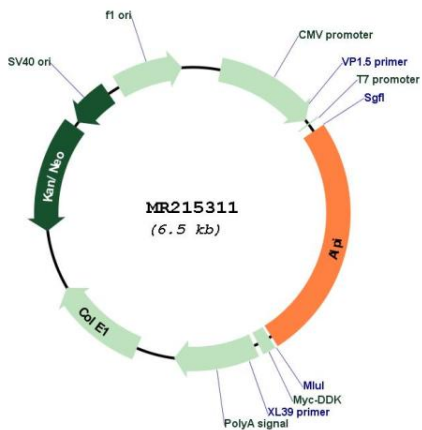
RefSeq ORF: 1665 bp

Locus ID: 76768

Cytogenetics: 1 C5

MW: 60 kDa

Product images:



Circular map for MR215311