

Product datasheet for **MG215311**

Alpi (NM_001081082) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Alpi (NM_001081082) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Alpi
Synonyms:	2010001C14Rik; Akp6; glAP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG215311 representing NM_001081082
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACGGGAGACTGGGTGCTGCTGTTGTTTTGGTCTCAGGATCCATCTGTCCTTTGGTATCATCCCAG
 CTGAAGAGGAGAACCCGGCCTTCTGGAACAAGAAGGCAGCTGAAGCCCTGGATGCTGCCAAGAAGCTGCA
 GCCATTACAGACATCAGCTAAGAACCCTCATCATCTTCCTGGGAGACGGGATGGGGTACCCACAGTGACA
 GCCACCAGGATCCTAAAGGGGAGTTGGAAGGCCATCTAGGACCGGAGACACCCCTAGCCATGGACCTCT
 TCCCATACATGGCTCTGTCCAAGACATAACAACGTGGACAGACAGGTCCCAGACAGCGCAGGCACAGCAAC
 CGCCTATCTCTGTGGGTCAAGGCCAACAAGACCATCGGCCCTGAGTGCAGCTGCTCGATTAGACCAG
 TGCAACACCACATTTGGCAATGAGGTCTTCTCAGTGATGTACCGTGCCAAGAAAGCAGGGAAGTCTGTGG
 GAGTGGTGACCACGACCAGGGTGCAGCATGCCTCTCCAGCCGGCACCTACGCACACACGGTGAACCGTAA
 TTGGTACTCAGATGCAGAGATGCCTGCCTCTGCACTGCAGGACGGCTGCAAGGACATCGCCACTCAACTC
 ATCTCCAACATGGACATTGATGTATCCTCGGTGGAGGCCGAAAGTTCATGTTTTCCAAGGGGACTCCAG
 ACCCTGAGTACCCAAGTGACAGTAACCAGTCTGGAACCAGGCTGGATGATCAGAACCTGGTGCAAAACGTG
 GCTGTCAAAGCATCAGGGAGCCCGGTATGTTTTGGAACCGATCAGAGCTCATTAGGCATCCCAGGACCCA
 GCAGTAACTCACCTATGGGCCTCTTTGAGCCAACAGAAATGAAATATGATGCCAACCAGAAACCCCTCAG
 TAGACCCTTCCCTGGCGGAGATGACAGAGGTGGCTGTGCGCATGCTCAGCAGGAATCCACAAGGCTTCTA
 CCTCTTTGTAAGGGGGTTCGATTGACCAAGGCCACCATGCGGGCACAGCTTACCTGGCACTGACTGAG
 GCTGTCTGTTGACTCTGCCATCGAAAAGGCCAGCCAGCTTACCAATGAGAAGGACACGCTAATACTCA
 TCACTGCTGACCACTCCCATGTCTTCGCATTTGGTGGCTACACACTTAGGGGGACCTCCATCTTTGGTCT
 GGCCCCACTCAAAGCCCTAGATGACAAATCCTACACCTCATTCTCTATGGCAATGGTCCAGGTTATGAG
 CTGAAATCAGGCAACCGGCCAATGTACCCGAAGCTCAGAGTGTGATCCCAACTACAAGCAGCAGGCGG
 CTGTACCCTGTGCTCAGAGACCCACGGCGGGGAGGACGTGGCCATATTTGCGCGCGGCCCTCAGGCACA
 CCTGGTGACGGAGTTCAGGAGCAGAACTACATCGCGCACGTGATGGCATTGCGAGGCTGCTTAGAGCCC
 TACACCGACTGCGGCCTGGCGCCCCCTGCCGGCCAGAGCCCCGTCATACCCCGGGCCAGGCCACCACCA
 CAAACAACGCGGCCGGCCAGGCCACCACCACAAACAACGCGCGGCCAGGCCACTGTCTGCTGTCTCT
 GCAACTGCTGGTCAGCATGCTGCTGTAGTAGGGACAGCCATGGTGGTGTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG215311 representing NM_001081082
 Red=Cloning site Green=Tags(s)

MQGDWVLLFLGLRIHLSFGIIPAEENPAFWNKKAAEALDAAKKLQPIQTSAKNLIIFLDGDMGVPTVT
 ATRILKGQLEHGLGPETPLAMDLPYMALSKTYNVDRQVPSAGTATAYLCGVKANYKTIIGLSAAARLDQ
 CNTTFGNEVFSVMYRAKKAGKSVGVVTTTRVQHASPAGTYAHTVNRNWYSDAEMPASALQDGCKDIATQL
 ISNMDIDVILGGGRKFMFPKGTDPPEYPSDSNQSGTRLDDQNLVQTLWSKHQGARYVWNRSELIQASQDP
 AVTHLMGLFEPTMKEYDANRNPVDPPLAEMTEVAVRMLSRNPQGFYLFVEGGRIDQGHAGTAYLALTE
 AVMFDSAIEKASQLTNEKDTLILITADHSHVFAFGGYTLRGTSLIFGLAPLALDDKSYTSLYGNPGYE
 LKSGNRPNVTEAQSVDPNYKQAAVPLSSETHGGEDVAIFARGPQAHLVHGVQEYQNYIAHVMAFAGCLEP
 YTDCLAPPAGQSPVITPGQATTTNNAAGQATTTNNAAGQATVLLSLQLLVSMILLVGTAMVVS

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

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](#)

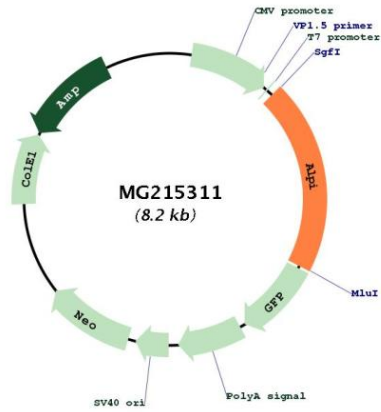
RefSeq Size: 2335 bp

RefSeq ORF: 1665 bp

Locus ID: 76768

Cytogenetics: 1 C5

Product images:



Circular map for MG215311