

Product datasheet for **MG223921**

Aipl1 (NM_053245) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Aipl1 (NM_053245) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Aipl1
Synonyms: A930007I01Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG223921 representing NM_053245
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGACGTCTCTACTCCTCAATGTGGAGGGTGTCAAGAAGACCATTCTGCATGGGGGACGGGAGAGC
 TCCCCAGCTTCATCACTGGCTCTCGAGTGACCTTTCATTCCGCACAATGAAGTGTGATGACGAGCGCAC
 GGTGATCGATGACAGCAAGCAGGTGGGCCAGCCATGAGCATCATCATCGCAACATGTTCAAGCTGGAG
 GTGTGGGAGACGCTGCTGACCTCCATGCGGCTGGGCGAGGTGGCTGAGTTCTGGTGCACACCATTACA
 CAGGGGTCTACCCTATGTTGTCCCGCAGTCTGCGGAGGTGGCTGAGGGCAAGGACCCACAAGCTGGCA
 TGTGCACACGTGCGGGTTGGCCAACATGTTTGCATACCACACGCTGGGCTACGAGGACCTGGATGAGCTG
 CAGAAAGAGCCACAGCCTCTTGTCTTCTGATTGAACTGTTGCAGGTGGAGGCCCAATGAGTACCAGA
 GGGAGACGTGGAACCTGAATAATGAAGAGAGGATGCAGGCGGTACCTCTTCTTATGGAGAAGGCAACAG
 GCTCTACAAGCTGGGACGCTATGATCAGGCCGCCACCAAGTACCAGGAGGCCATTGTGTGCTGAGGAAC
 CTTCAAGCAAGGAGAAGCCCTGGGAGGTTGAGTGGCTGAAGCTGGAGAAGATGATCAACACCCTGATCC
 TCAACTACTGCCAGTGCCTGTGAAGAAGGAGGAGTACTACGAGGTGTTGGAGCACACCAGCGACATTCT
 ACGACACCACCCAGGGATCGTGAAGGCCACTATATGCGCGCACGTGCTCACGCAGAGGTGTGGAACGCT
 GAGGAGCCAAGGCGGACCTGGAGAAAGTGTGGAGTTGGAGCCATCCATGCGCAAGGCGGTGCTCAGGG
 AACTGCGGCTGCTGGAGAGCCGCTGGCGGACAAACAGGAGGAGGAGCGGCAGCGCTGCCGAGCATGCT
 GGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG223921 representing NM_053245
Red=Cloning site Green=Tags(s)

MDVSLLLNVEGVKKTILHGGTGELPSFITGSRVTFHFRTMKCDDERTVIDDSKQVGPMSIIIGNMFKLE
 VWETLLTSMRLGEVAEFWCDTIHTGVYPLMSRSLRQVAEGKDPTSHWHVTCGLANMFAYHTLGYEDLDEL
 QKEPQPLVFLIELLQVEAPNEYQRETWNLNNEERMQAVPLHHEGNRLYKLGRYDQAATKYQEAIVCLRN
 LQTKKEPWEVWLKLEKMINTLILNYCQCLLKKEEYVEVLEHTSDILRHHPGIVKAYYMRARAHAEVWNA
 EEAKADLEKVLLEPMSMRKAVLRELRLLESRLADKQEEERQRCRSMGLG

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_053245

ORF Size: 984 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_053245.2](#), [NP_444475.2](#)

RefSeq Size: 1586 bp

RefSeq ORF: 987 bp

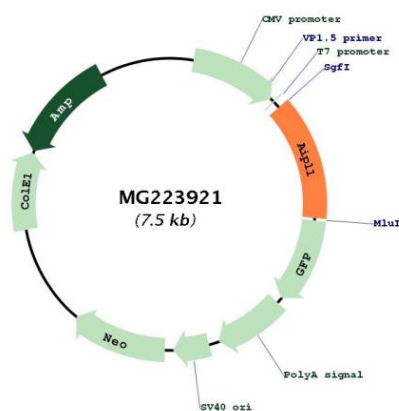
Locus ID: 114230

UniProt ID: [Q924K1](#)

Cytogenetics: 11 B4

Gene Summary: May be important in protein trafficking and/or protein folding and stabilization.
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG223921