

Product datasheet for **RR202741**

Aipl1 (NM_021590) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Aipl1 (NM_021590) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Aipl1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR202741 representing NM_021590
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGACGTCTCTACTCCTCAATGTGGAGGGTGTCAAGAAGACCATTCTGCATGGGGGGACAGGAGAGC
TCCCCAATTCATCACTGGCTCCAGAGTGACCTTTTCATTCCGAACAATGAAGTGTGATGAAGAACGCAC
GGTGATCGATGACAGCAAGCAGGTGGACAGCCCATGAACATCATCATTGGCAACATGTTCAAGCTGGAG
GTGTGGGAGACGCTGCTGACCTCCATGCGGCTGGGTGAGGTGGCTGAGTTCTGGTGACACCATCCACA
CCGGGGTCTACCTATGCTGTCCCGCAGCCTGCGGCAGGTGGCTGAAGGCAAGGACCCCAAGCTGGCA
CGTGCATACGTGCGGGTTGGCCAACATGTTTTCGTACCACTCTGGGCTACGAGGATCTGGATGAGCTG
CAGAAGGAGCCGACGCTCTCATCTTCTCATTGAGCTGCTCCAGGTGGAGGCCCAATGAGTACCAGA
GGGAGACGTGGAACCTGAATAATGAAGAGAGGATGCAGGCCGTGCCTCTTCTCATGGAGAAGGTAACAG
GCTCTACAAGCTGGGCCGCTACGATCAGGCTGCCACCAAGTACCAGGAGGCCATTGTGTGCCTGAGGAAC
CTTCAGACCAAGGAGAAGCCGTGGGAGGTTGAGTGGCTGAAGCTGGAGAAGATGATCAACACACTGATCC
TCAACTACTGCCAATGCCTGCTGAAGAAGGAGGAGTACTATGAGGTGTTGGAGCATACTAGCGACATTCT
ACGACACCACCCAGGGATCGTGAAGGCCTACTATATGCGCGCACGGGCTCACGCGGAGGTATGGAACGCT
GAGGAGGCCAAAGCGGACCTGGAGAAAGTCTGGAGTTGGAGCCATCCATGCGCAAGCGGCTGCTCAGGG
AACTGAGATTGCTGGAGAGCCGCTGGCGGACAAGCAGGAGGAGGAGCGGCAGCGCTGCCGGAGCATGCT
GGGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RR202741 representing NM_021590
 Red=Cloning site Green=Tags(s)

MDVSLLLNVEGVKKTILHGGTGELPNFITGSRVTFHFRTMKCDEERTVIDDSKQVGQPMNIIIGNMFKLE
 VWETLLTSMRLGEVAEFWCDTIHTGVYPLMSRSLRQVAEGKDPTSHVHTCGLANMFAYHTLGYEDLDEL
 QKEPQPLIFLIELLQVEAPNEYQRETWNLNNEERMQAVPLHHEGNRLYKLGRYDQAATKYQEAIVCLRN
 LQTKKEPWEVWLKLEKMINLILNYCQCLLKKEEYVELEHTSDILRHHPGIVKAYMRARAHAEVWNA
 EEAKADLEKVLLEPMSRKAVLRELRLLESRLADKQEEERQRCRSMGL

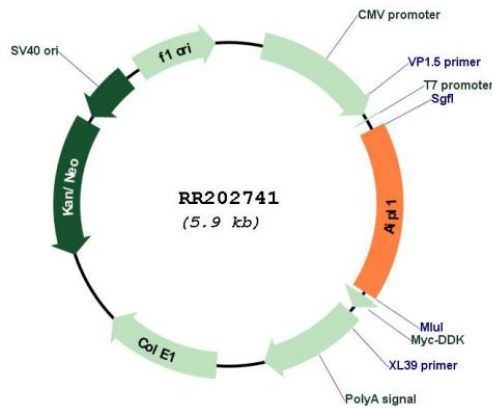
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_021590

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:	<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:	NM_021590.1 , NP_067601.1
RefSeq Size:	1446 bp
RefSeq ORF:	987 bp
Locus ID:	59110
UniProt ID:	Q9JLG9
Cytogenetics:	10q24
MW:	38.3 kDa
Gene Summary:	May be important in protein trafficking and/or protein folding and stabilization. [UniProtKB/Swiss-Prot Function]