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Product datasheet for RR201180

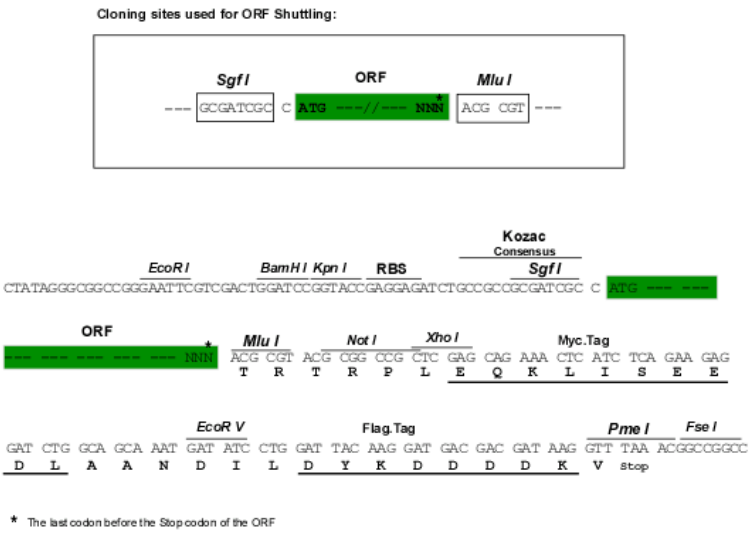
Adcyap1 (NM_016989) Rat Tagged ORF Clone

Product data:

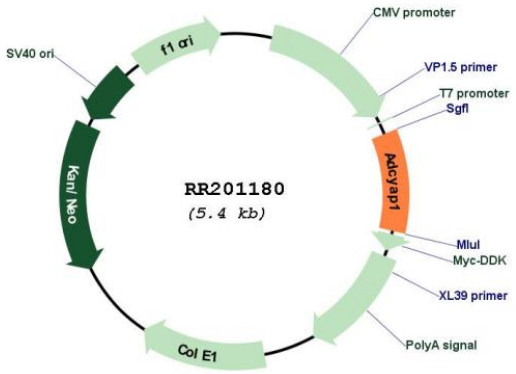
Product Type:	Expression Plasmids
Product Name:	Adcyap1 (NM_016989) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Adcyap1
Synonyms:	Pacap
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR201180 representing NM_016989 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGACCATGTGTAGCGGAGCAAGGTTGGCCCTGTTGGTCTACGGGATAATAATGCATAACAGCGTCTCCT GTTCACCTGCCGCCGGACTCAGCTTCCCTGGGATCAGACCAGAAGAAGAGGCTTACGATCAGGACGGAAA CCCGCTGCAAGACTTCTACGACTGGGACCCTCCGGGCGCAGGGAGCCCCGCCTCCGCGCTGCGTGACGCC TACGCCCTTTACTACCCAGCCGACAGGAGAGATGTCGCCCACGAAATCCTTAACGAAGCCTACCGCAAAG TCTTGGACCAGCTGTCCGCCAGGAAGTACCTGCAGTCCATGGTGGCCAGGGGCATGGGCGAGAACCTCGC CGCCGCCGCGGTGGACGACCGGGCACCCCTTACCAAACGCCACTCGGACGGCATCTTCACAGACAGCTAT AGCCGCTACCGAAAACAAATGGCTGTCAAGAAATACTTGGCGGCCGTGCTAGGGAAAAGGTATAAACAGA GGGTTAAAAACAAAGGACGCCGAATAGCGTACTTG ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Protein Sequence:	>RR201180 representing NM_016989 Red=Cloning site Green=Tags(s) MTMCSGARLALLVYGIIMHNSVSCSPAAGLSFPGIRPEEEAYDQDGNPLQDFYDWDPPGAGSPASALRDA YALYYPADRRDVAHEILNEAYRKVLDQLSARKYLQSMVARGMGENLAAAAVDDRAPLTKRHSDGIFTDSY SRYRKQMAVKKYLAAVLGKRYKQRVKNKGRRIAYL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Restriction Sites:	SgfI-MluI

View online »

Cloning Scheme:



Plasmid Map:



ACCN: NM_016989

ORF Size: 525 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_016989.2, NP_058685.1

RefSeq Size: 1262 bp

RefSeq ORF: 528 bp

Locus ID: 24166

UniProt ID: P13589

Cytogenetics: 9q38

MW: 19.6 kDa

Gene Summary: regulatory protein that stimulates cell proliferation, induces differentiation, modulates neurotransmitter release, vasodilation, bronchodilation, and hormone release, and suppresses inflammatory responses [RGD, Feb 2006]