

Plasmid Data Sheet

* **Plasmid Name and Size:** [pcDNA3.1\(+\)-circACVR2A; 8391 bp](#)

* **developed at the BioMed Resource Core of the 1st Core Facility Lab, NTU-CM**

* **ACVR2A:** Homo sapiens activin A receptor type 2A

NCBI Reference Sequence: NM_001616.5

circACVR2A: c.56-1250_c.56-1, c.56_c.528, c.528+1_c.528+1260

* **primers:**

BMRC-5633	cagtgtggtggaattcAAAGATATATGTCATGAATGCATAAAAT	pcDNA3.1(+)-circACVR2A (EcoRI)
BMRC-5420	TACCAAGTATAGCACCTATAAGATAATAAAAAACAATAATATAACCACAT	circACVR2A-intron 1
BMRC-5635	GTGCTATACTTGGTAGATCAGAAA	circACVR2A-intron 1-exon 2
BMRC-5422	TTGAGTTGGAACAAGTACAGGA	circACVR2A-exon 4
BMRC-5637	CTTGTCCAACCTCAAGTAAGTTATTGTCTGTACTTTGTAGT	circACVR2A-exon 4-intron 4
BMRC-5424	tagactgagcggccgcACATAGACTAGGTACTAAAACCTTTTAT	pcDNA3.1(+)-circACVR2A (NotI)
BMRC-5639	gcttacttagtgaagaatttagt	for DNA sequencing (on circACVR2A)
BMRC-5641	tgctgtgagggcaatg	for DNA sequencing (on circACVR2A)

* TA cloning vector or Mammalian; Yeast; *E. coli*; expression vector

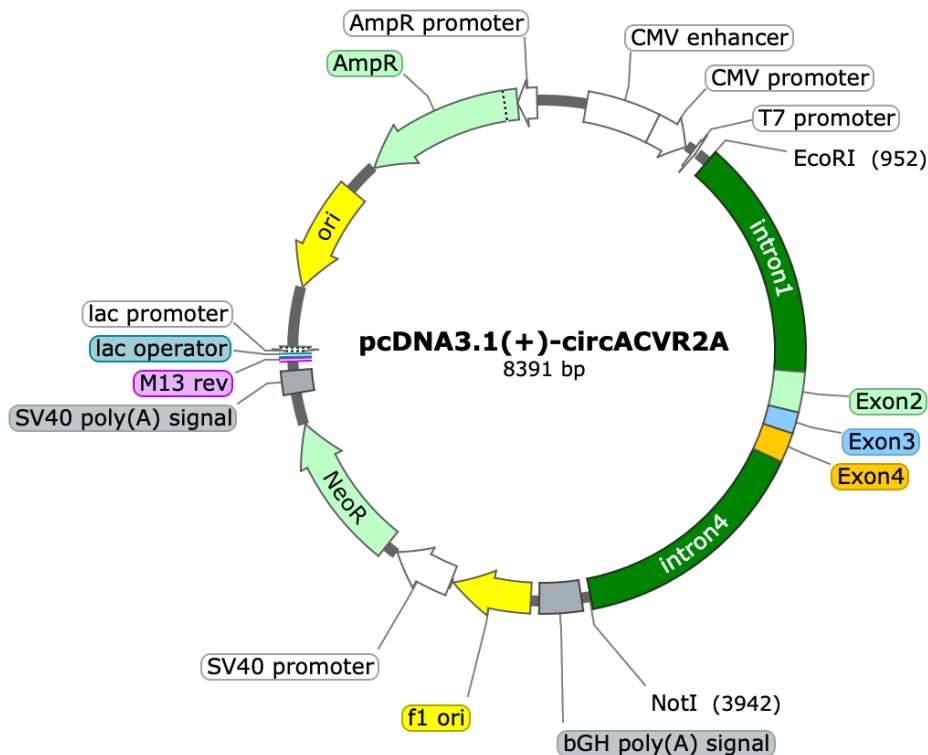
* plasmid amplify in *E. coli* is high; or low copy number

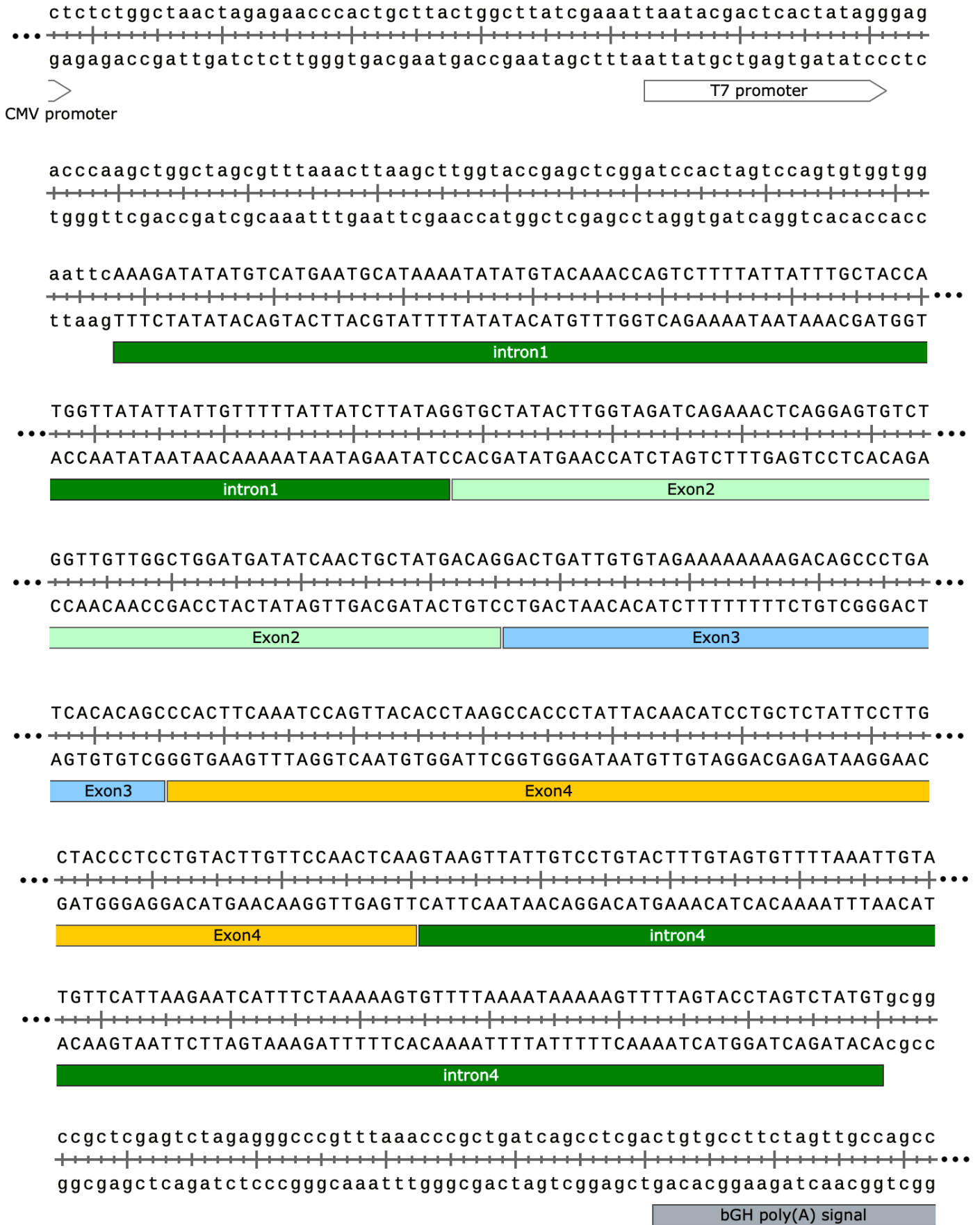
* expression level is low or high

* expression promoter: CMV IE promoter

* antibiotic selection: AmpR / NeoR

* epitope or tag: no





DNA Sequence of pcDNA3.1(+)-circACVR2A

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