LOCUS pcDNA3\_Halo\_(V2)\_CD4\_2\_ 6679 bp ds-DNA circular 03-JUN-2021

DEFINITION .

KEYWORDS "creator:Trial User" "marker:AmpR"

FEATURES Location/Qualifiers

 promoter complement(428..788)

 /label="SV40 promoter"

 /ApEinfo\_revcolor=#c6c9d1

 /ApEinfo\_fwdcolor=#c6c9d1

 CDS complement(848..1639)

 /label="AmpR"

 /ApEinfo\_revcolor=#b7e6d7

 /ApEinfo\_fwdcolor=#b7e6d7

 promoter complement(1709..1813)

 /label="AmpR promoter"

 /ApEinfo\_revcolor=#c6c9d1

 /ApEinfo\_fwdcolor=#c6c9d1

 enhancer 2307..2686

 /label="CMV enhancer"

 /ApEinfo\_revcolor=#85dae9

 /ApEinfo\_fwdcolor=#85dae9

 promoter 2687..2890

 /label="CMV promoter"

 /ApEinfo\_revcolor=#f58a5e

 /ApEinfo\_fwdcolor=#f58a5e

 promoter 2935..2953

 /label="T7 promoter"

 /ApEinfo\_revcolor=#b1ff67

 /ApEinfo\_fwdcolor=#b1ff67

 primer 3016..3033

 /label="Pat3 Fwd"

 /note="sequence: ATGCCACCTTCAACATCA"

 /ApEinfo\_revcolor=#b4abac

 /ApEinfo\_fwdcolor=#b4abac

 misc\_feature 3016..3103

 /label="Pat-3 "

 /ApEinfo\_revcolor=#9eafd2

 /ApEinfo\_fwdcolor=#9eafd2

 CDS 3016..3103

 /label="Translation 3016-3103"

 CDS 3104..3108

 /label="Translation 3104-3108"

 misc\_feature 3109..3996

 /label="HaloTag"

 /ApEinfo\_revcolor=#c7b0e3

 /ApEinfo\_fwdcolor=#c7b0e3

 CDS 3109..3996

 /label="Translation 3109-3996"

 CDS 3109..3996

 /label="Translation 3109-3996"

 CDS 3109..3996

 /label="Translation 3109-3996"

 misc\_feature 3997..4026

 /label="Linker"

 /ApEinfo\_revcolor=#85dae9

 /ApEinfo\_fwdcolor=#85dae9

 CDS 3997..4026

 /label="Translation 3997-4026"

 CDS 4027..4707

 /label="Translation 4027-4707"

 misc\_feature 4033..4707

 /label="CD4 "

 /ApEinfo\_revcolor=#ff9ccd

 /ApEinfo\_fwdcolor=#ff9ccd

 CDS 4132..4151

 /label="Translation 4132-4151"

 CDS 4708..4956

 /label="Translation 4708-4956"

 polyA\_signal 4732..4956

 /label="bGH poly(A) signal"

 /ApEinfo\_revcolor=#b4abac

 /ApEinfo\_fwdcolor=#b4abac

ORIGIN

 1 GCAGGTAGCC GGATCAAGCG TATGCAGCCG CCGCATTGCA TCAGCCATGA TGGATACTTT

 61 CTCGGCAGGA GCAAGGTGAG ATGACAGGAG ATCCTGCCCC GGCACTTCGC CCAATAGCAG

 121 CCAGTCCCTT CCCGCTTCAG TGACAACGTC GAGCACAGCT GCGCAAGGAA CGCCCGTCGT

 181 GGCCAGCCAC GATAGCCGCG CTGCCTCGTC TTGCAGTTCA TTCAGGGCAC CGGACAGGTC

 241 GGTCTTGACA AAAAGAACCG GGCGCCCCTG CGCTGACAGC CGGAACACGG CGGCATCAGA

 301 GCAGCCGATT GTCTGTTGTG CCCAGTCATA GCCGAATAGC CTCTCCACCC AAGCGGCCGG

 361 AGAACCTGCG TGCAATCCAT CTTGTTCAAT CATGCGAAAC GATCCTCATC CTGTCTCTTG

 421 ATCGATCTTT GCAAAAGCCT AGGCCTCCAA AAAAGCCTCC TCACTACTTC TGGAATAGCT

 481 CAGAGGCCGA GGAGGCGGCC TCGGCCTCTG CATAAATAAA AAAAATTAGT CAGCCATGGG

 541 GCGGAGAATG GGCGGAACTG GGCGGAGTTA GGGGCGGGAT GGGCGGAGTT AGGGGCGGGA

 601 CTATGGTTGC TGACTAATTG AGATGCATGC TTTGCATACT TCTGCCTGCT GGGGAGCCTG

 661 GGGACTTTCC ACACCTGGTT GCTGACTAAT TGAGATGCAT GCTTTGCATA CTTCTGCCTG

 721 CTGGGGAGCC TGGGGACTTT CCACACCCTA ACTGACACAC ATTCCACAGC TGGTTCTTTC

 781 CGCCTCAGGA CTCTTCCTTT TTCAATAAAT CAATCTAAAG TATATATGAG TAAACTTGGT

 841 CTGACAGTTA CCAATGCTTA ATCAGTGAGG CACCTATCTC AGCGATCTGT CTATTTCGTT

 901 CATCCATAGT TGCCTGACTC CCCGTCGTGT AGATAACTAC GATACGGGAG GGCTTACCAT

 961 CTGGCCCCAG TGCTGCAATG ATACCGCGAG ACCCACGCTC ACCGGCTCCA GATTTATCAG

 1021 CAATAAACCA GCCAGCCGGA AGGGCCGAGC GCAGAAGTGG TCCTGCAACT TTATCCGCCT

 1081 CCATCCAGTC TATTAATTGT TGCCGGGAAG CTAGAGTAAG TAGTTCGCCA GTTAATAGTT

 1141 TGCGCAACGT TGTTGCCATT GCTACAGGCA TCGTGGTGTC ACGCTCGTCG TTTGGTATGG

 1201 CTTCATTCAG CTCCGGTTCC CAACGATCAA GGCGAGTTAC ATGATCCCCC ATGTTGTGCA

 1261 AAAAAGCGGT TAGCTCCTTC GGTCCTCCGA TCGTTGTCAG AAGTAAGTTG GCCGCAGTGT

 1321 TATCACTCAT GGTTATGGCA GCACTGCATA ATTCTCTTAC TGTCATGCCA TCCGTAAGAT

 1381 GCTTTTCTGT GACTGGTGAG TACTCAACCA AGTCATTCTG AGAATAGTGT ATGCGGCGAC

 1441 CGAGTTGCTC TTGCCCGGCG TCAATACGGG ATAATACCGC GCCACATAGC AGAACTTTAA

 1501 AAGTGCTCAT CATTGGAAAA CGTTCTTCGG GGCGAAAACT CTCAAGGATC TTACCGCTGT

 1561 TGAGATCCAG TTCGATGTAA CCCACTCGTG CACCCAACTG ATCTTCAGCA TCTTTTACTT

 1621 TCACCAGCGT TTCTGGGTGA GCAAAAACAG GAAGGCAAAA TGCCGCAAAA AAGGGAATAA

 1681 GGGCGACACG GAAATGTTGA ATACTCATAC TCTTCCTTTT TCAATATTAT TGAAGCATTT

 1741 ATCAGGGTTA TTGTCTCATG AGCGGATACA TATTTGAATG TATTTAGAAA AATAAACAAA

 1801 TAGGGGTTCC GCGCACATTT CCCCGAAAAG TGCCACCTGA CGCGCCCTGT AGCGGCGCAT

 1861 TAAGCGCGGC GGGTGTGGTG GTTACGCGCA GCGTGACCGC TACACTTGCC AGCGCCCTAG

 1921 CGCCCGCTCC TTTCGCTTTC TTCCCTTCCT TTCTCGCCAC GTTCGCCGGC TTTCCCCGTC

 1981 AAGCTCTAAA TCGGGGGCTC CCTTTAGGGT TCCGATTTAG TGCTTTACGG CACCTCGACC

 2041 CCAAAAAACT TGATTAGGGT GATGGTTCAC GTAGTGGGCC ATCGCCCTGA TAGACGGTTT

 2101 TTCGCCCTTT GACGTTGGAG TCCACGTTCT TTAATAGTGG ACTCTTGTTC CAAACTGGAA

 2161 CAACACTCAA CCCTATCTCG GTCTATTCTT TTGATTTATA AGGGATTTTG CCGATTTCGG

 2221 CCTATTGGTT AAAAAATGAG CTGATTTAAC AAAAATTTAA CGCGAATTTT AACAAAATAT

 2281 TAACGCTTAC AATTTACGCG CGCGTTGACA TTGATTATTG ACTAGTTATT AATAGTAATC

 2341 AATTACGGGG TCATTAGTTC ATAGCCCATA TATGGAGTTC CGCGTTACAT AACTTACGGT

 2401 AAATGGCCCG CCTGGCTGAC CGCCCAACGA CCCCCGCCCA TTGACGTCAA TAATGACGTA

 2461 TGTTCCCATA GTAACGCCAA TAGGGACTTT CCATTGACGT CAATGGGTGG ACTATTTACG

 2521 GTAAACTGCC CACTTGGCAG TACATCAAGT GTATCATATG CCAAGTACGC CCCCTATTGA

 2581 CGTCAATGAC GGTAAATGGC CCGCCTGGCA TTATGCCCAG TACATGACCT TATGGGACTT

 2641 TCCTACTTGG CAGTACATCT ACGTATTAGT CATCGCTATT ACCATGGTGA TGCGGTTTTG

 2701 GCAGTACATC AATGGGCGTG GATAGCGGTT TGACTCACGG GGATTTCCAA GTCTCCACCC

 2761 CATTGACGTC AATGGGAGTT TGTTTTGGCA CCAAAATCAA CGGGACTTTC CAAAATGTCG

 2821 TAACAACTCC GCCCCATTGA CGCAAATGGG CGGTAGGCGT GTACGGTGGG AGGTCTATAT

 2881 AAGCAGAGCT CTCTGGCTAA CTAGAGAACC CACTGCTTAC TGGCTTATCG AAATTAATAC

 2941 GACTCACTAT AGGGAGACCC AAGCTTGGTA CCGAGCTCGG ATCCACTAGT AACGGCCGCC

 3001 AGTGTGCTGG AATTCATGCC ACCTTCAACA TCATTGCTGC TCCTCGCAGC ACTTCTTCCA

 3061 TTCGCTTTAC CAGCAAGCGA TTGGAAGACT GGAGAAGTCA CTGCTAGCGC AGAAATCGGT

 3121 ACTGGCTTTC CATTCGACCC CCATTATGTG GAAGTCCTGG GCGAGCGCAT GCACTACGTC

 3181 GATGTTGGTC CGCGCGATGG CACCCCTGTG CTGTTCCTGC ACGGTAACCC GACCTCCTCC

 3241 TACGTGTGGC GCAACATCAT CCCGCATGTT GCACCGACCC ATCGCTGCAT TGCTCCAGAC

 3301 CTGATCGGTA TGGGCAAATC CGACAAACCA GACCTGGGTT ATTTCTTCGA CGACCACGTC

 3361 CGCTTCATGG ATGCCTTCAT CGAAGCCCTG GGTCTGGAAG AGGTCGTCCT GGTCATTCAC

 3421 GACTGGGGCT CCGCTCTGGG TTTCCACTGG GCCAAGCGCA ATCCAGAGCG CGTCAAAGGT

 3481 ATTGCATTTA TGGAGTTCAT CCGCCCTATC CCGACCTGGG ACGAATGGCC AGAATTTGCC

 3541 CGCGAGACCT TCCAGGCCTT CCGCACCACC GACGTCGGCC GCAAGCTGAT CATCGATCAG

 3601 AACGTTTTTA TCGAGGGTAC GCTGCCGATG GGTGTCGTCC GCCCGCTGAC TGAAGTCGAG

 3661 ATGGACCATT ACCGCGAGCC GTTCCTGAAT CCTGTTGACC GCGAGCCACT GTGGCGCTTC

 3721 CCAAACGAGC TGCCAATCGC CGGTGAGCCA GCGAACATCG TCGCGCTGGT CGAAGAATAC

 3781 ATGGACTGGC TGCACCAGTC CCCTGTCCCG AAGCTGCTGT TCTGGGGCAC CCCAGGCGTT

 3841 CTGATCCCAC CGGCCGAAGC CGCTCGCCTG GCCAAAAGCC TGCCTAACTG CAAGGCTGTG

 3901 GACATCGGCC CGGGTCTGAA TCTGCTGCAA GAAGACAACC CGGACCTGAT CGGCAGCGAG

 3961 ATCGCGCGCT GGCTGTCGAC GCTCGAGATT TCCGGCGGTG GCGGCGGAAG TGGAGGTGGA

 4021 GGCTCGGTCG ACTTCCAGAA GGCCTCCAGC ATAGTCTATA AGAAAGAGGG GGAACAGGTG

 4081 GAGTTCTCCT TCCCACTCGC CTTTACAGTT GAAAAGCTGA CGGGCAGTGG CGAGCTGTGG

 4141 TGGCAGGCGG AGAGGGCTTC CTCCTCCAAG TCTTGGATCA CCTTTGACCT GAAGAACAAG

 4201 GAAGTGTCTG TAAAACGGGT TACCCAGGAC CCTAAGCTCC AGATGGGCAA GAAGCTCCCG

 4261 CTCCACCTCA CCCTGCCCCA GGCCTTGCCT CAGTATGCTG GCTCTGGAAA CCTCACCCTG

 4321 GCCCTTGAAG CGAAAACAGG AAAGTTGCAT CAGGAAGTGA ACCTGGTGGT GATGAGAGCC

 4381 ACTCAGCTCC AGAAAAATTT GACCTGTGAG GTGTGGGGAC CCACCTCCCC TAAGCTGATG

 4441 CTGAGCTTGA AACTGGAGAA CAAGGAGGCA AAGGTCTCGA AGCGGGAGAA GGCGGTGTGG

 4501 GTGCTGAACC CTGAGGCGGG GATGTGGCAG TGTCTGCTGA GTGACTCGGG ACAGGTCCTG

 4561 CTGGAATCCA ACATCAAGGT TCTGCCCACA TGGTCCACCC CGGTGCAGCC AATGGCCCTG

 4621 ATTGTGCTGG GGGGCGTCGC CGGCCTCCTG CTTTTCATTG GGCTAGGCAT CTTCTTCTGT

 4681 GTCAGGTGCC GGCACCGAAG GCGCTAGGCG GCCGCTCGAG ATCAGCCTCG ACTGTGCCTT

 4741 CTAGTTGCCA GCCATCTGTT GTTTGCCCCT CCCCCGTGCC TTCCTTGACC CTGGAAGGTG

 4801 CCACTCCCAC TGTCCTTTCC TAATAAAATG AGGAAATTGC ATCGCATTGT CTGAGTAGGT

 4861 GTCATTCTAT TCTGGGGGGT GGGGTGGGGC AGGACAGCAA GGGGGAGGAT TGGGAAGACA

 4921 ATAGCAGGCA TGCTGGGGAT GCGGTGGGCT CTATGGCTTC TGAGGCGGAA AGAACCAGTG

 4981 GCGGTAATAC GGTTATCCAC AGAATCAGGG GATAACGCAG GAAAGAACAT GTGAGCAAAA

 5041 GGCCAGCAAA AGGCCAGGAA CCGTAAAAAG GCCGCGTTGC TGGCGTTTTT CCATAGGCTC

 5101 CGCCCCCCTG ACGAGCATCA CAAAAATCGA CGCTCAAGTC AGAGGTGGCG AAACCCGACA

 5161 GGACTATAAA GATACCAGGC GTTTCCCCCT GGAAGCTCCC TCGTGCGCTC TCCTGTTCCG

 5221 ACCCTGCCGC TTACCGGATA CCTGTCCGCC TTTCTCCCTT CGGGAAGCGT GGCGCTTTCT

 5281 CATAGCTCAC GCTGTAGGTA TCTCAGTTCG GTGTAGGTCG TTCGCTCCAA GCTGGGCTGT

 5341 GTGCACGAAC CCCCCGTTCA GCCCGACCGC TGCGCCTTAT CCGGTAACTA TCGTCTTGAG

 5401 TCCAACCCGG TAAGACACGA CTTATCGCCA CTGGCAGCAG CCACTGGTAA CAGGATTAGC

 5461 AGAGCGAGGT ATGTAGGCGG TGCTACAGAG TTCTTGAAGT GGTGGCCTAA CTACGGCTAC

 5521 ACTAGAAGGA CAGTATTTGG TATCTGCGCT CTGCTGAAGC CAGTTACCTT CGGAAAAAGA

 5581 GTTGGTAGCT CTTGATCCGG CAAACAAACC ACCGCTGGTA GCGGTGGTTT TTTTGTTTGC

 5641 AAGCAGCAGA TTACGCGCAG AAAAAAAGGA TCTCAAGAAG ATCCTTTGAT CTTTTCTACG

 5701 GGGTCTGACG CTCAGTGGAA CGAAAACTCA CGTTAAGGGA TTTTGGTCAT GAGATTATCA

 5761 AAAAGGATCT TCACCTAGAT CCTTTTAAAT TAAAAATGAA GTTTTAAATC AATCTAAAGT

 5821 ATATATGAGT AACCTGAGGC TATGGCAGGG CCTGCCGCCC CGACGTTGGC TGCGAGCCCT

 5881 GGGCCTTCAC CCGAACTTGG GGGGTGGGGT GGGGAAAAGG AAGAAACGCG GGCGTATTGG

 5941 CCCCAATGGG GTCTCGGTGG GGTATCGACA GAGTGCCAGC CCTGGGACCG AACCCCGCGT

 6001 TTATGAACAA ACGACCCAAC ACCGTGCGTT TTATTCTGTC TTTTTATTGC CGTCATAGCG

 6061 CGGGTTCCTT CCGGTATTGT CTCCTTCCGT GTTTCAGTTA GCCTCCCCCT AGGGTGGGCG

 6121 AAGAACTCCA GCATGAGATC CCCGCGCTGG AGGATCATCC AGCCGGCGTC CCGGAAAACG

 6181 ATTCCGAAGC CCAACCTTTC ATAGAAGGCG GCGGTGGAAT CGAAATCTCG TGATGGCAGG

 6241 TTGGGCGTCG CTTGGTCGGT CATTTCGAAC CCCAGAGTCC CGCTCAGAAG AACTCGTCAA

 6301 GAAGGCGATA GAAGGCGATG CGCTGCGAAT CGGGAGCGGC GATACCGTAA AGCACGAGGA

 6361 AGCGGTCAGC CCATTCGCCG CCAAGCTCTT CAGCAATATC ACGGGTAGCC AACGCTATGT

 6421 CCTGATAGCG GTCCGCCACA CCCAGCCGGC CACAGTCGAT GAATCCAGAA AAGCGGCCAT

 6481 TTTCCACCAT GATATTCGGC AAGCAGGCAT CGCCATGGGT CACGACGAGA TCCTCGCCGT

 6541 CGGGCATGCT CGCCTTGAGC CTGGCGAACA GTTCGGCTGG CGCGAGCCCC TGATGCTCTT

 6601 GATCATCCTG ATCGACAAGA CCGGCTTCCA TCCGAGTACG TGCTCGCTCG ATGCGATGTT

 6661 TCGCTTGGTG GTCGAATGG

//