

LOCUS RDB 6083 pRSV_s-FLAG preliminary; circular DNA; SYN; 5190 BP.
 SOURCE Cloning vector
 ORGANISM Artificial sequences; Cloning vehicles.
 FEATURES Location/Qualifiers
 BASE COUNT 1200 A 1324 C 1351 G 1315 T
 ORIGIN

BglII

1 GACGGATCGGGAGATCTCCCCGATCCCCTATGGTTCGACTCTCAGTACAATCTGCTCTGATG
 61 CCGCATAGTTAAGCCAGTATCTGCTCCCTGCTTGTGTGTTGGAGGTCGCTGAGTAGTGCG
 121 CGAGCAAAATTTAAGCTACAACAAGGCAAGGCTTGACCGACAATTGCATGAAGAATCTGC
 |5' end of RSV promoter
 181 TTAGGGTTAGGCGTTTTGCGCTGCTTCGCGATGTACGGGCCAGATATACGCGTATCTGAG
 241 GGGACTAGGGTGTGTTTAGGCGAAAAGCGGGGCTTCGGTTGTACGCGGTTAGGAGTCCCC
 301 TCAGGATATAGTAGTTTTCGCTTTTGCATAGGGAGGGGAAATGTAGTCTTATGCAATACA
 361 CTTGTAGTCTTGCAACATGGTAACGATGAGTTAGCAACATGCCTTACAAGGAGAGAAAAA
 421 GCACCGTGCATGCCGATTGGTGGAAGTAAGGTGGTACGATCGTGCCTTATTAGGAAGGCA

EcoRI*

481 ACAGACAGGTCTGACATGGATTGGACGAACCACTGAATTCCGCATTGCAGAGATAAATTGT
 3'end of RSV
 541 ATTTAAGTGCCTAGCTCGATACAATAAACGCCATTTGACCATTACCACATTGGTGTGCA

promoter| EcoRI* NcoI* NotI
 601 CCTCCAAGCTGAATTCACCATGGACTACAAGGACGATGACGATAAGGCGGCCGCTCGAGC
 AlaGluPheThrMETAspTyrLysAspAspAspLysAlaAlaAlaArgAla
 single FLAG tag

* They are not unique.

XbaI |5' end of BGH poly(A) signal

661 ATGCATCTAGAGCTCGCTGATCAGCCTCGACTGTGCCTTCTAGTTGCCAGCCATCTGTTG
 CysIle***
 721 TTTGCCCTCCCCGTCCTTCCTTGACCCTGGAAGGTGCCACTCCCCTGTCCTTTCT
 781 AATAAAATGAGGAAATTGCATCGCATTGTCTGAGTAGGTGTCATTCTATTCTGGGGGGTG
 3' end of BGH poly(A) signal|
 841 GGGTGGGGCAGGACAGCAAGGGGGAGGATTGGGAAGACAATAGCAGGCATGCTGGGGATG
 901 CGGTGGGCTC TATGGCTTCT GAGGCGGAAA GAACCAGCTG GGGCTCGAGG GGGGATCCCC
 961 ACGCGCCCTG TAGCGGCGCA TTAAGCGCGG CGGGTGTGGT GGTTACGCGC AGCGTGACCG
 1021 CTACACTTGC CAGCGCCCTA GCGCCCCTC CTTTCGCTTT CTTCCCTTCC TTTCTCGCCA
 1081 CGTTCGCCCG CTTTCCCCGT CAAGCTCTAA ATCGGGGCAT CCCTTTAGGG TTCCGATTTA
 1141 GTGCTTTACG GCACCTCGAC CCCAAAAAAC TTGATTAGGG TGATGGTTCA CGTAGTGGGC
 1201 CATCGCCCTG ATAGACGGTT TTTGCCCCTT TGACGTTGGA GTCCACGTTT TTTAATAGTG
 1261 GACTCTTGTT CCAAACCTGGA ACAAACTCA ACCCTATCTC GGTCTATTCT TTTGATTTAT
 1321 AAGGGATTTT GGGGATTTTC GCCTATTGGT TAAAAAATGA GCTGATTTAA CAAAAATTTA

1381 ACGCGAATTT TAACAAAATA TTAACGTTTA CAATTTAAAT ATTTGCTTAT ACAATCTTCC
1441 TGTTTTTTGGG GCTTTTCTGA TTATCAACCG GGGTGGGTAC CGAGCTCGAA TTCTGTGGAA
1501 TGTGTGTCAG TTAGGGTGTG GAAAGTCCCC AGGCTCCCCA GGCAGGCAGA AGTATGCAAA
1561 GCATGCATCT CAATTAGTCA GCAACCAGGT GTGGAAAGTC CCCAGGCTCC CCAGCAGGCA
1621 GAAGTATGCA AAGCATGCAT CTCAATTAGT CAGCAACCAT AGTCCC GCCC CTAACTCCGC
1681 CCATCCCGCC CCTAACTCCG CCCAGTTCCG CCCATTCTCC GCCCCATGGC TGACTAATTT
1741 TTTTTTATTTA TGCAGAGGCC GAGGCCGCCT CGGCCTCTGA GCTATTCCAG AAGTAGTGAG
1801 GAGGCTTTTT TGGAGGCCTA GGCTTTTGCA AAAAGCTCCC GGGAGCTTGG ATATCCATTT
1861 TCGGATCTGA TCAAGAGACA GGATGAGGAT CGTTTTCGCAT GATTGAACAA GATGGATTGC
1921 ACGCAGGTTT TCCGGCCGCT TGGGTGGAGA GGCTATTCCG CTATGACTGG GCACAACAGA
1981 CAATCGGCTG CTCTGATGCC GCCGTGTTCC GGCTGTCAGC GCAGGGGCGC CCGGTTCTTT
2041 TTGTCAAGAC CGACCTGTCC GGTGCCCTGA ATGAACTGCA GGACGAGGCA GCGCGGCTAT
2101 CGTGGCTGGC CACGACGGGC GTTCCTTGCG CAGCTGTGCT CGACGTTGTC ACTGAAGCGG
2161 GAAGGGACTG GCTGCTATTG GGCGAAGTGC CGGGGCAGGA TCTCCTGTCA TCTCACCTTG
2221 CTCCTGCCGA GAAAGTATCC ATCATGGCTG ATGCAATGCG GCGGCTGCAT ACGCTTGATC
2281 CGGCTACCTG CCCATTTCGAC CACCAAGCGA AACATCGCAT CGAGCGAGCA CGTACTCGGA
2341 TGGAAGCCGG TCTTGTCGAT CAGGATGATC TGGACGAAGA GCATCAGGGG CTCGCGCCAG
2401 CCGAACTGTT CGCCAGGCTC AAGGCGCGCA TGCCCAGCGG CGAGGATCTC GTCGTGACCC
2461 ATGGCGATGC CTGCTTGCCG AATATCATGG TGGAAAATGG CCGCTTTTCT GGATTTCATCG
2521 ACTGTGGCCG GCTGGGTGTG GCGGACCGCT ATCAGGACAT AGCGTTGGCT ACCCGTGATA
2581 TTGCTGAAGA GCTTGGCGGC GAATGGGCTG ACCGCTTCCT CGTGCTTTAC GGTATCGCCG
2641 CTCCTGATTC GCAGCGCATC GCCTTCTATC GCCTTCTTGA CGAGTTCTTC TGAGCGGGAC
2701 TCTGGGGTTC GAAATGACCG ACCAAGCGAC GCCCAACCTG CCATCACGAG ATTTTCGATTC
2761 CACCGCCGCC TTCTATGAAA GGTGGGCTT CGGAATCGTT TTCCGGGACG CCGGCTGGAT
2821 GATCCTCCAG CGCGGGGATC TCATGCTGGA GTTCTTCGCC CACCCCAACT TGTTTTATTGC
2881 AGCTTATAAT GGTTACAAAT AAAGCAATAG CATCACAAAT TTCACAAATA AAGCATTTTT
2941 TTCACTGCAT TCTAGTTGTG GTTTGTCCAA ACTCATCAAT GTATCTTATC ATGTCTGGAT
3001 CCCGTCGACC TCGAGAGCTT GCGTAATCA TGGTCATAGC TGTTTCCTGT GTGAAATTGT
3061 TATCCGCTCA CAATTCACA CAACATACGA GCCGGAAGCA TAAAGTGTA AGCCTGGGGT
3121 GCCTAATGAG TGAGCTAACT CACATTAATT GCGTTGCGCT CACTGCCCGC TTTCCAGTCG
3181 GGAAACCTGT CGTGCCAGCT GCATTAATGA ATCGGCCAAC GCGCGGGGAG AGGCGGTTTG
3241 CGTATTGGGC GCTCTTCCGC TTCCTCGCTC ACTGACTCGC TGCGCTCGGT CGTTCGGCTG
3301 CGGCGAGCGG TATCAGCTCA CTCAAAGGCG GTAATACGGT TATCCACAGA ATCAGGGGAT
3361 AACGCAGGAA AGAACATGTG AGCAAAAGGC CAGCAAAAGG CCAGGAACCG TAAAAAGGCC
3421 GCGTTGCTGG CGTTTTTCCA TAGGCTCCGC CCCCCTGACG AGCATCACAA AAATCGACGC
3481 TCAAGTCAGA GGTGGCGAAA CCCGACAGGA CTATAAAGAT ACCAGGCGTT TCCCCCTGGA
3541 AGCTCCCTCG TGCGCTCTCC TGTTCCGACC CTGCCGCTTA CCGGATACCT GTCCGCTTT
3601 CTCCTTCCG GAAGCGTGGC GCTTCTCAA TGCTCACGCT GTAGGTATCT CAGTTCGGTG
3661 TAGGTCGTTT GCTCCAAGCT GGGCTGTGTG CACGAACCCC CCGTTCAGCC CGACCGCTGC
3721 GCCTTATCCG GTAACATCG TCTTGAGTCC AACC CGGTAA GACACGACTT ATCGCCACTG
3781 GCAGCAGCCA CTGGTAACAG GATTAGCAGA GCGAGGTATG TAGGCGGTGC TACAGAGTTC
3841 TTGAAGTGGT GGCCTAACTA CGGCTACACT AGAAGGACAG TATTTGGTAT CTGCGCTCTG
3901 CTGAAGCCAG TTACCTTCGG AAAAAGAGTT GGTAGCTCTT GATCCGGCAA ACAAACCACC
3961 GCTGGTAGCG GTGGTTTTTT TGTGCAAG CAGCAGATTA CGCGCAGAAA AAAAGGATCT
4021 CAAGAAGATC CTTTGATCTT TTCTACGGG TCTGACGCTC AGTGGAACGA AAACCTCACGT
4081 TAAGGGATTT TGGTCATGAG ATTATCAAAA AGGATCTTCA CCTAGATCCT TTTAAATTAA
4141 AAATGAAGTT TTAATCAAT CTAAAGTATA TATGAGTAAA CTTGGTCTGA CAGTTACCAA
4201 TGCTTAATCA GTGAGGCACC TATCTCAGCG ATCTGTCTAT TTCGTTTCATC CATAGTTGCC
4261 TGACTCCCCG TCGTGTAGAT AACTACGATA CGGGAGGGCT TACCATCTGG CCCAGTGCT
4321 GCAATGATAC CGCGAGACCC ACGCTCACCG GCTCCAGATT TATCAGCAAT AAACCAGCCA
4381 GCCGGAAGGG CCGAGCGCAG AAGTGGTCCT GCAACTTTAT CCGCCTCCAT CCAGTCTATT
4441 AATTGTTGCC GGAAGCTAG AGTAAGTAGT TCGCCAGTTA ATAGTTTGCG CAACGTTGTT
4501 GCCATTGCTA CAGGCATCGT GGTGTCACGC TCGTCGTTTG GTATGGCTTC ATTCAGCTCC
4561 GGTTCCCAAC GATCAAGGCG AGTTACATGA TCCCCATGT TGTGCAAAAA AGCGGTTAGC
4621 TCCTTCGGTC CTCCGATCGT TGTCAGAAGT AAGTTGGCCG CAGTGTTATC ACTCATGGTT
4681 ATGGCAGCAC TGCATAATTC TCTTACTGTC ATGCCATCCG TAAGATGCTT TTCTGTGACT

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4741 GGTGAGTACT CAACCAAGTC ATTCTGAGAA TAGTGTATGC GGCGACCGAG TTGCTCTTGC
4801 CCGGCGTCAA TACGGGATAA TACCGCGCCA CATAGCAGAA CTTTAAAAGT GCTCATCATT
4861 GGAAAACGTT CTTCGGGGCG AAAACTCTCA AGGATCTTAC CGCTGTTGAG ATCCAGTTCCG
4921 ATGTAACCCA CTCGTGCACC CAACTGATCT TCAGCATCTT TTACTTTTAC CAGCGTTTCT
4981 GGGTGAGCAA AAACAGGAAG GCAAAATGCC GCAAAAAAGG GAATAAGGGC GACACGGAAA
5041 TGTGGAATAC TCATACTCTT CCTTTTTTCAA TATTATTGAA GCATTTATCA GGGTTATTGT
5101 CTCATGAGCG GATACATATT TGAATGTATT TAGAAAAATA AACAAATAGG GGTTCGCGC
5161 ACATTTCCCC GAAAAGTGCC ACCTGACGTC
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RDB2136 S-HA-pRc/CMV

T7 promoter HindIII
 TTATCGAAATTAATACGACTCACTATAGGGAGACCCAAGCTTCCATGGCCTACCCCTACGACGTGCCCGAC
AlaSerMetAlaTyrProTyrAspValProAsp
 single HA tag

NotI XbaI ApaI <- SP6 promoter
 TACGCCGCGGCCGCTCGAGCATGCATCTAGAGGGCCCTATTCTATAGTGTACCTAAATGCTAGA
TyrAlaAlaAlaAlaArgAlaCysIle***

RDB2137 S-T7-pRc/CMV

T7 promoter HindIII
 TTATCGAAATTAATACGACTCACTATAGGGAGACCCAAGCTTCCATGGCCAGCATGACCGGCGGCCAGCAG
AlaSerMetAlaSerMetThrGlyGlyGlnGln
 single T7 tag

NotI XbaI ApaI <- SP6 promoter
 ATGGGCGCGGCCGCTCGAGCATGCATCTAGAGGGCCCTATTCTATAGTGTACCTAAATGCTAGA
MetGlyAlaAlaAlaArgAlaCysIle***

RDB2138 D-T7-pRc/CMV

T7 promoter
 TTATCGAAATTAATACGACTCACTATAGGGAGACCC

HindIII
AAGCTTCCATGGCCAGCATGACCGGCGGCCAGCAGATGGGCGCGCCATGGCCAGCATGACCGGCGGCCAGCAGATGGGC
AlaSerMetAlaSerMetThrGlyGlyGlnGlnMetGlyAlaAlaMetAlaSerMetThrGlyGlyGlnGlnMetGly
 double T7 tag

NotI XbaI ApaI <- SP6 promoter
GCGGCCGCTCTAGAGGGCCCTATTCTATAGTGTACCTAAATGCTAGA
 AlaAlaAlaLerAsnGlyProIleLeu***

RDB2139 D-HA-pRc/CMV

T7 promoter
 TTATCGAAATTAATACGACTCACTATAGGGAGACCC

HindIII
AAGCTTCCATGGCCTACCCCTACGACGTGCCCGACTACGCCGCGGCCTACCCCTACGACGTGCCCGACTAC
AlaSerMetAlaTyrProTyrAspValProAspTyrAlaAlaAlaTyrProTyrAspValProAspTyr
 double HA tag

NotI XbaI ApaI <- SP6 promoter
GCGGCCGCTCTAGAGGGCCCTATTCTATAGTGTACCTAAATGCTAGA
 AlaAlaAlaLerAsnGlyProIleLeu***

RDB 5954 pCMV_S-Myc

T7 promoter

TTATCGAAATTAATACGACTCACTATAGGGAGACCC

EcoRI* NcoI* NcoI*

AAGCTGAATTCACCATGGCAGCTTCCATGGAGCAGAAGCTGATCAGCGAGGAGGACCTG

AlaGluPheThrMETAlaAlaSerMetGluGlnLysLeuIleSerGluGluAspLeu

single Myc tag

NotI XbaI ApaI <- SP6 promoter

GCGGCCGCTCGAGCATGCATCTAGAGGGCCCTATTCTATAGTGTACCTAAATGCTAGA

AlaAlaAlaArgAlaCysIle***

RDB 5955 pCMV_D-Myc

T7 promoter

EcoRI* NcoI*

TTATCGAAATTAATACGACTCACTATAGGGAGACCCAAGCTGAATTCACCATGGCA

AlaGluPheThrMETAla

NcoI*

GCTTCCATGGAGCAGAAGCTGATCAGCGAGGAGGACCTGGCGGCCGAGCAGAAGCTGATAAGCGAGGAGGACCTG

AlaSerMetGluGlnLysLeuIleSerGluGluAspLeuAlaAlaGluGlnLysLeuIleSerGluGluAspLeu

double Myc tag

NotI XbaI ApaI <- SP6 promoter

GCGGCCGCTCTAGAGGGCCCTATTCTATAGTGTACCTAAATGCTAGA

AlaAlaAlaLerAsnGlyProIleLeu***

RDB 5956 pCMV_S-FLAG

T7 promoter

TTATCGAAATTAATACGACTCACTATAGGGAGACCC

EcoRI* NcoI*

AAGCTGAATTCACCATGGACTACAAGGACGATGACGATAAG

AlaGluPheThrMETAspTyrLysAspAspAspLys

single FLAG tag

NotI XbaI ApaI <- SP6 promoter

GCGGCCGCTCGAGCATGCATCTAGAGGGCCCTATTCTATAGTGTACCTAAATGCT

AlaAlaAlaArgAlaCysIle***

*They are not unique.

RDB 6083 pRSV_S-FLAG

3'end of RSV promoter| EcoRI* NcoI*
ACATTGGTGTGCACCTCCAAGCTGAATTCACCATGGACTACAAGGACGATGACGATAAG
AlaGluPheThrMETAspTyrLysAspAspAspAspLys
single FLAG tag

NotI XbaI |5' end of BGH poly(A) signal
GCGGCCGCTCGAGCATGCATCTAGAGCTCGCTGATCAGCCTCGACTGTGCC
AlaAlaAlaArgAlaCysIle***

* They are not unique.