LOCUS CZP21\sp6-mCherr 4369 bp DNA circular 16-JUN-2015

SOURCE

ORGANISM

COMMENT This file is created by Vector NTI

http://www.invitrogen.com/

COMMENT VNTDATE|606743001|

COMMENT VNTDBDATE|736876921|

COMMENT LSOWNER|

COMMENT VNTNAME|CZP21 sp6-mCherry-nos3'UTR|

COMMENT VNTAUTHORNAME|xf|

FEATURES Location/Qualifiers

CDS complement(2564..3424)

/vntifkey="4"

/label=AmpR

misc\_feature 718..1348

/vntifkey="21"

/label=nos\3'UTR

promoter 4319..4341

/vntifkey="30"

/label=SP6

CDS 1..711

/codon\_start=1

/transl\_table=11

/product="monomeric red fluorescent protein"

/protein\_id="AAV52164.1"

/db\_xref="GI:55420613"

/vntifkey="4"

/label=mCherry

/note="mCherry; engineered variant of monomeric red fluorescent protein mRFP1 in GenBank Accession Number AF506027; N- and C-termini replaced with equivalent residues from EGFP"

source 1..711

/organism="synthetic construct"

/mol\_type="other DNA"

/db\_xref="taxon:32630"

/vntifkey="98"

BASE COUNT 1094 a 1094 c 1110 g 1071 t

ORIGIN

1 atggtgagca agggcgagga ggataacatg gccatcatca aggagttcat gcgcttcaag

61 gtgcacatgg agggctccgt gaacggccac gagttcgaga tcgagggcga gggcgagggc

121 cgcccctacg agggcaccca gaccgccaag ctgaaggtga ccaagggtgg ccccctgccc

181 ttcgcctggg acatcctgtc ccctcagttc atgtacggct ccaaggccta cgtgaagcac

241 cccgccgaca tccccgacta cttgaagctg tccttccccg agggcttcaa gtgggagcgc

301 gtgatgaact tcgaggacgg cggcgtggtg accgtgaccc aggactcctc cctgcaggac

361 ggcgagttca tctacaaggt gaagctgcgc ggcaccaact tcccctccga cggccccgta

421 atgcagaaga agaccatggg ctgggaggcc tcctccgagc ggatgtaccc cgaggacggc

481 gccctgaagg gcgagatcaa gcagaggctg aagctgaagg acggcggcca ctacgacgct

541 gaggtcaaga ccacctacaa ggccaagaag cccgtgcagc tgcccggcgc ctacaacgtc

601 aacatcaagt tggacatcac ctcccacaac gaggactaca ccatcgtgga acagtacgaa

661 cgcgccgagg gccgccactc caccggcggc atggacgagc tgtacaagta actcgagagc

721 ggacattgat gctccgggag atttgaagaa acacttttta ccgcaggttt taatgtttaa

781 gttttaactc tttaattgtt tgtttggttg atacgcggcg gattgcgagt ttgcatgcat

841 gtgtgcgttc actgtttgat tttgcacttt ttgtgtgtgt gtatatgtgt gtgtttgctg

901 tgttttattt tgtgtgcact ggtgttgtgt tttcacttgg taacaaactt gtacacaagc

961 cagcaggctc gctacaggcg caaccgcact caaaaacaaa ccctttcatg cttatttggt

1021 aaatacaatg tgtgtttagt cctcctttta aatgtcagat tttatggtgt tgtatttaaa

1081 caaaaaattc aatgttaata tttagatttt agtgatttta ttattgaaaa cggcttgttt

1141 tgtataagta acctttaaaa aaagttttct ccattgcatt taaattcagt ttgacaaaca

1201 taatcgccat attttcatgt cgcttgctaa aattcatgta ctactttcat cattttatgt

1261 cagtgtgtga tttttgactt gtgatggagt gaaaaatgtg aggaaaatat aaacattttc

1321 tctagactta aaaaaaaaaa aaaaaaaagc ggccgcggcg ccaatgcatt gggcccgggg

1381 cgagctcgaa ttcgtaatca tggtcatagc tgtttcctgt gtgaaattgt tatccgctca

1441 caattccaca caacatacga gccggaagca taaagtgtaa agcctggggt gcctaatgag

1501 tgagctaact cacattaatt gcgttgcgct cactgcccgc tttccagtcg ggaaacctgt

1561 cgtgccagct gcattaatga atcggccaac gcgcggggag aggcggtttg cgtattgggc

1621 gctcttccgc ttcctcgctc actgactcgc tgcgctcggt cgttcggctg cggcgagcgg

1681 tatcagctca ctcaaaggcg gtaatacggt tatccacaga atcaggggat aacgcaggaa

1741 agaacatgtg agcaaaaggc cagcaaaagg ccaggaaccg taaaaaggcc gcgttgctgg

1801 cgtttttcca taggctccgc ccccctgacg agcatcacaa aaatcgacgc tcaagtcaga

1861 ggtggcgaaa cccgacagga ctataaagat accaggcgtt tccccctgga agctccctcg

1921 tgcgctctcc tgttccgacc ctgccgctta ccggatacct gtccgccttt ctcccttcgg

1981 gaagcgtggc gctttctcat agctcacgct gtaggtatct cagttcggtg taggtcgttc

2041 gctccaagct gggctgtgtg cacgaacccc ccgttcagcc cgaccgctgc gccttatccg

2101 gtaactatcg tcttgagtcc aacccggtaa gacacgactt atcgccactg gcagcagcca

2161 ctggtaacag gattagcaga gcgaggtatg taggcggtgc tacagagttc ttgaagtggt

2221 ggcctaacta cggctacact agaaggacag tatttggtat ctgcgctctg ctgaagccag

2281 ttaccttcgg aaaaagagtt ggtagctctt gatccggcaa acaaaccacc gctggtagcg

2341 gtggtttttt tgtttgcaag cagcagatta cgcgcagaaa aaaaggatct caagaagatc

2401 ctttgatctt ttctacgggg tctgacgctc agtggaacga aaactcacgt taagggattt

2461 tggtcatgag attatcaaaa aggatcttca cctagatcct tttaaattaa aaatgaagtt

2521 ttaaatcaat ctaaagtata tatgagtaaa cttggtctga cagttaccaa tgcttaatca

2581 gtgaggcacc tatctcagcg atctgtctat ttcgttcatc catagttgcc tgactccccg

2641 tcgtgtagat aactacgata cgggagggct taccatctgg ccccagtgct gcaatgatac

2701 cgcgagaccc acgctcaccg gctccagatt tatcagcaat aaaccagcca gccggaaggg

2761 ccgagcgcag aagtggtcct gcaactttat ccgcctccat ccagtctatt aattgttgcc

2821 gggaagctag agtaagtagt tcgccagtta atagtttgcg caacgttgtt gccattgcta

2881 caggcatcgt ggtgtcacgc tcgtcgtttg gtatggcttc attcagctcc ggttcccaac

2941 gatcaaggcg agttacatga tcccccatgt tgtgcaaaaa agcggttagc tccttcggtc

3001 ctccgatcgt tgtcagaagt aagttggccg cagtgttatc actcatggtt atggcagcac

3061 tgcataattc tcttactgtc atgccatccg taagatgctt ttctgtgact ggtgagtact

3121 caaccaagtc attctgagaa tagtgtatgc ggcgaccgag ttgctcttgc ccggcgtcaa

3181 tacgggataa taccgcgcca catagcagaa ctttaaaagt gctcatcatt ggaaaacgtt

3241 cttcggggcg aaaactctca aggatcttac cgctgttgag atccagttcg atgtaaccca

3301 ctcgtgcacc caactgatct tcagcatctt ttactttcac cagcgtttct gggtgagcaa

3361 aaacaggaag gcaaaatgcc gcaaaaaagg gaataagggc gacacggaaa tgttgaatac

3421 tcatactctt cctttttcaa tattattgaa gcatttatca gggttattgt ctcatgagcg

3481 gatacatatt tgaatgtatt tagaaaaata aacaaatagg ggttccgcgc acatttcccc

3541 gaaaagtgcc acctgacgtc taagaaacca ttattatcat gacattaacc tataaaaata

3601 ggcgtatcac gaggcccttt cgtctcgcgc gtttcggtga tgacggtgaa aacctctgac

3661 acatgcagct cccggagacg gtcacagctt gtctgtaagc ggatgccggg agcagacaag

3721 cccgtcaggg cgcgtcagcg ggtgttggcg ggtgtcgggg ctggcttaac tatgcggcat

3781 cagagcagat tgtactgaga gtgcaccata tcgacgctct cccttatgcg actcctgcat

3841 taggaagcag cccagtagta ggttgaggcc gttgagcacc gccgccgcaa ggaatggtgc

3901 atgcaaggag atggcgccca acagtccccc ggccacgggg cctgccacca tacccacgcc

3961 gaaacaagcg ctcatgagcc cgaagtggcg agcccgatct tccccatcgg tgatgtcggc

4021 gatataggcg ccagcaaccg cacctgtggc gccggtgatg ccggccacga tgcgtccggc

4081 gtagaggatc tggctagcga tgaccctgct gattggttcg ctgaccattt ccggggtgcg

4141 gaacggcgtt accagaaact cagaaggttc gtccaaccaa accgactctg acggcagttt

4201 acgagagaga tgatagggtc tgcttcagta agccagatgc tacacaatta ggcttgtaca

4261 tattgtcgtt agaacgcggc tacaattaat acataacctt atgtatcata cacatacgat

4321 ttaggtgaca ctatagaata caagcttaga tctgaattcc tgcaggaga

//