

Human and Mouse ORFeome Collaboration Clones

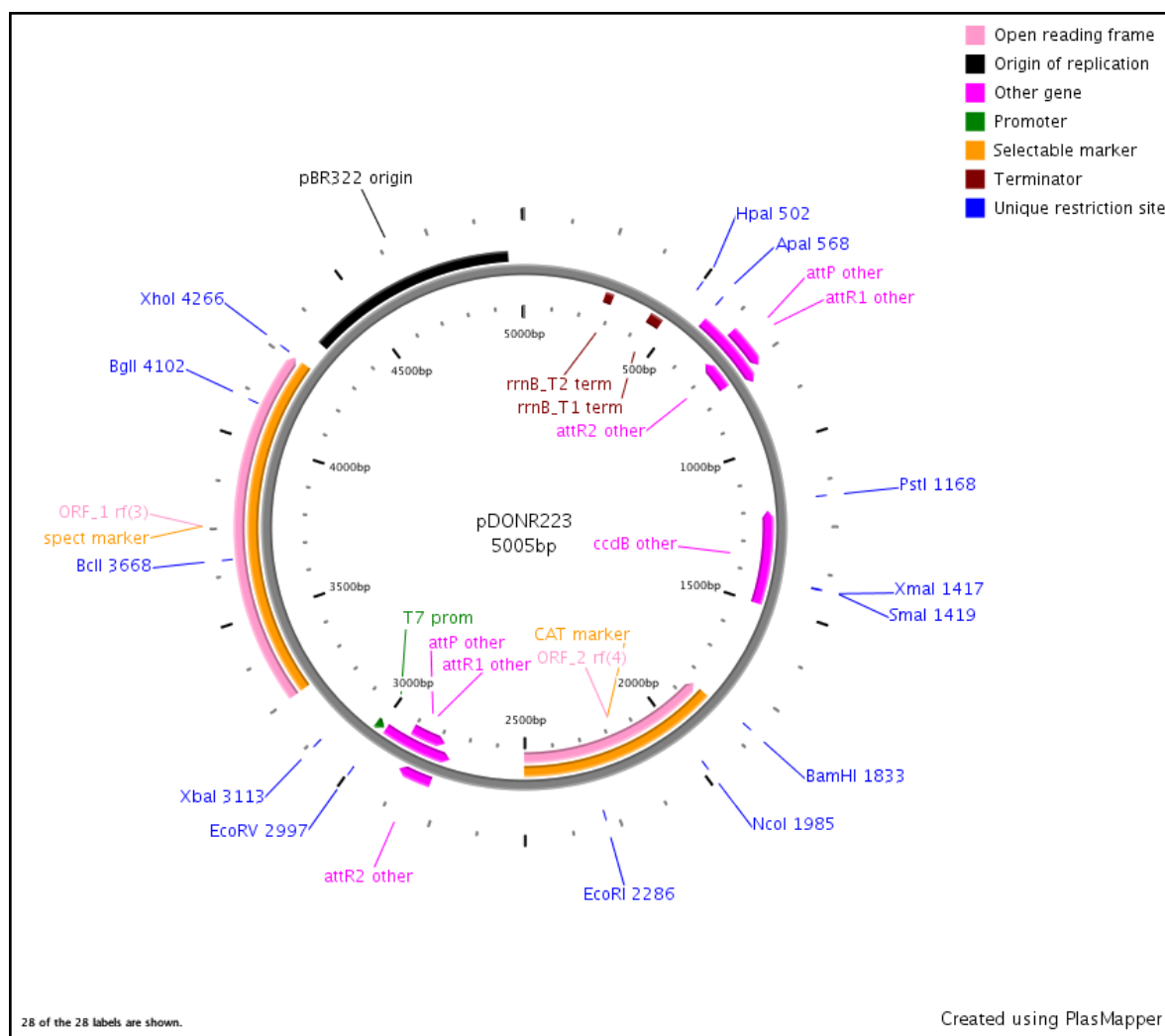
Distributed through K.K. DNAFORM

Vector Map: pDONR223

NAME: pDONR223
RESISTANT MARKER: Spectinomycin; 100 µg/ml
SOURCE: Invitrogen Life Technologies
V_TYPE: Gateway entry vector
SEQUENCING PRIMERS: M13F/M13R

Note the specific antibiotic to be used with this vector.
Confirm sequencing primer sequences match vector before sequencing.

Map



Sequence:

1 CTTTCCTGCG TTATCCCCTG ATTCTGTGGA TAACCGTATT ACCGCCTTTG
51 AGTGAGCTGA TACCGCTCGC CGCAGCCGAA CGACCGAGCG CAGCGAGTCA
101 GTGAGCGAGG AAGCGGAAAGA GCGCCCAATA CGCAAACCGC CTCTCCCCGC
151 GCGTTGGCCG ATTCATTAAT GCAGCTGGCA CGACAGGTTT CCCGACTGGA
201 AAGCGGGCAG TGAGCGCAAC GCAATTAATA CGCGTACCGC TAGCCAGGAA
251 GAGTTTGTAG AAACGCAAAA AGGCCATCCG TCAGGATGGC CTTCTGCCTA
301 GTTTGATGCC TGGCAGTTTA TGGCGGGCGT CCTGCCCGCC ACCCTCCGGG
351 CCGTTGCTTC ACAACGTTC AATCCGCTCC CGGCGGATTT GTCCTACTCA
401 GGAGAGCGTT CACCGACAAA CAACAGATAA AACGAAAGGC CCAGTCTTCC
451 GACTGAGCCT TTCGTTTTAT TTGATGCCTG GCAGTTCCCT ACTCTCGCGT
501 TAACGCTAGC ATGGATGTTT TCCCAGTCAC GACGTTGTAA AACGACGGCC
551 AGTCTTAAAGC TCGGGCCCCA AATAATGATT TTATTTTGAC TGATAGTGAC
601 CTGTTGCTTG CAACAAATTG ATGAGCAATG CTTTTTTATA ATGCCAACTT
651 TGTACAAAAA AGCTGAACGA GAAACGTAAA ATGATATAAA TATCAATATA
701 TTAAATTAGA TTTTGCATAA AAAACAGACT ACATAAATACT GTAAAACACA
751 ACATATCCAG TCACTATGAA TCAACTACTT AGATGGTATT AGTGACCTGT
801 AGTCGACCGA CAGCCTTCCA AATGTTCTTC GGGTGTATGCT GCCAACTTAG
851 TCGACCGACA GCCTTCCAAA TGTTCCTTCTC AAACGGAATC GTCGTATCCA
901 GCCTACTCGC TATTGTCCCTC AATGCCGTAT TAAATCATAA AAAGAAAATAA
951 GAAAAAGAGG TGCAGCCTC TTTTTTGTGT GACAAAATAA AAACATCTAC
1001 CTATTCATAT ACGCTAGTGT CATAGTCCTG AAAATCATCT GCATCAAGAA
1051 CAATTTTACA ACTCTTATAC TTTTCTCTTA CAAGTCGTTC GGCTTCATCT
1101 GGATTTTCAG CCTCTATACT TACTAAACGT GATAAAGTTT CTGTAATTTT
1151 TACTGTATCG ACCTGCAGAC TGGCTGTGTA TAAGGGAGCC TGACATTTAT
1201 ATTCCCAGA ACATCAGGTT AATGGCGTTT TTGATGTCAT TTTTCGCGTG
1251 GCTGAGATCA GCCACTTCTT CCCCATAAC GGAGACCGGC ACACTGGCCA
1301 TATCGGTGGT CATCATGCGC CAGCTTTCAT CCCCATAATG CACCACCGGG
1351 TAAAGTTCAC GGGAGACTTT ATCTGACAGC AGACGTGCAC TGGCCAGGGG
1401 GATCACCATC CGTCGCCCCG GCGTGTCAAT AATATCACTC TGTACATCCA
1451 CAAACAGACG ATAACGGCTC TCTCTTTTAT AGGTGTAAAC CTTAAACTGC
1501 ATTTACCAG TCCCTGTTCT CGTCAGCAAA AGAGCCGTTC ATTTCAATAA
1551 ACCGGGCGAC CTCAGCCATC CCTTCCTGAT TTTCCGCTTT CCAGCGTTCC
1601 GCACGCAGAC GACGGGCTTC ATTCTGCATG GTTGTGCTTA CCAGACCGGA
1651 GATATTGACA TCATATATGC CTTGAGCAAC TGATAGCTGT CGCTGTCAAC
1701 TGTCACTGTA ATACGCTGCT TCATAGCACA CCTCTTTTTG ACATACTTCG
1751 GGTATACATA TCAGTATATA TTCTTATACC GCAAAAATCA GCGCGCAAAT
1801 ACGCATACTG TTATCTGGCT TTTAGTAAGC CGGATCCACG CGATTACGCC
1851 CCGCCCTGCC ACTCATCGCA GTACTGTTGT AATTCATTAA GCATTCTGCC
1901 GACATGGAAG CCATCACAGA CGGCATGATG AACCTGAATC GCCAGCGGCA
1951 TCAGCACCTT GTCGCCTTGC GTATAATATT TGCCATGGT GAAAACGGGG
2001 CGAAGAAGT TGTCATATT GGCCACGTTT AAATCAAAAC TGGTGAAACT
2051 CACCCAGGGA TTGGCTGAGA CGAAAAACAT ATTCTCAATA AACCCTTTAG
2101 GGAATAGGC CAGGTTTTCA CCGTAACACG CCACATCTTG CGAATATATG
2151 TGTAGAAACT GCGGAAATC TTCGTGTTAT TCACTCCAGA GCGATGAAAA
2201 CGTTTTAGTT TGCTCATGGA AAACGGTGTA ACAAGGGTGA ACACTATCCC
2251 ATATCACCAG CTCACCGTCT TTCATTGCCA TACGGAATTC CGGATGAGCA
2301 TTCATCAGGC GGGCAAGAAT GTGAATAAAG GCCGGATAAA ACTTGTGCTT
2351 ATTTTTCTTT ACGGTCTTTA AAAAGGCCGT AATATCCAGC TGAACGGTCT
2401 GGTTATAGGT ACATTGAGCA ACTGACTGAA ATGCCTCAA ATGTTCTTTA
2451 CGATGCCATT GGGATATATC AACGGTGGTA TATCCAGTGA TTTTTTTCTC
2501 CATTTTAGCT TCCTTAGCTC CTGAAAATCT CGATAACTCA AAAAAACGC
2551 CCGGTAGTGA TCTTATTTCA TTATGGTGAA AGTTGGAACC TCTTACGTGC
2601 CGATCAACGT CTCATTTTCG CAAAAGTTG GCCAGGGCT TCCCGGTATC
2651 AACAGGGACA CCAGGATTTA TTTATTCTGC GAAGTGATCT TCCGTACAG
2701 GTATTTATTC GCGCAAAAGT GCGTCGGGTG ATGCTGCCAA CTTAGTCGAC
2751 TACAGGTCAC TAATACCATC TAAGTAGTTG ATTCATAGTG ACTGGATATG
2801 TTGTGTTTTA CAGTATTATG TAGTCTGTTT TTTATGCAAA ATCTAATTTA
2851 ATATATTGAT ATTTATATCA TTTTACGTTT CTCGTTACAG TTTCTTGATC
2901 AAAGTTGGCA TTATAAGAAA GCATTGCTTA TCAATTTGTT GCAACGAACA
2951 GGTCACTATC AGTCAAAAATA AAATCATTAT TTGCCATCCA GCTGATATCC
3001 CCTATAGTGA GTCGTATTAC ATGGTCATAG CTGTTTCCTG GCAGCTCTGG

```

3051   CCCGTGTCTC AAAATCTCTG ATGTTACATT GCACAAGATA AAAATATATC
3101   ATCATGCCTC CTCTAGACCA GCCAGGACAG AAATGCCTCG ACTTCGCTGC
3151   TGCCCAAGGT TGCCGGGTGA CGCACACCGT GGAAACGGAT GAAGGCACGA
3201   ACCCAGTGGA CATAAGCCTG TTCGGTTCGT AAGCTGTAAT GCAAGTAGCG
3251   TATGCGCTCA CGCAACTGGT CCAGAACCTT GACCGAACGC AGCGGTGGTA
3301   ACGGCGCAGT GCGGGTTTTT ATGGCTTGTT ATGACTGTTT TTTTGGGGTA
3351   CAGTCTATGC CTCGGGCATC CAAGCAGCAA GCGCGTTACG CCGTGGGTCG
3401   ATGTTTGATG TTATGGAGCA GCAACGATGT TACGCAGCAG GGCAGTCGCC
3451   CTAAAACAAA GTTAAACATC ATGAGGGAAG CGGTGATCGC CGAAGTATCG
3501   ACTCAACTAT CAGAGGTAGT TGGCGTCATC GAGCGCCATC TCGAACCGAC
3551   GTTGCTGGCC GTACATTTGT ACGGCTCCGC AGTGGATGGC GGCCCTGAAGC
3601   CACACAGTGA TATTGATTTG CTGGTTACGG TGACCGTAAG GCTTGATGAA
3651   ACAACGCGGC GAGCTTTGAT CAACGACCTT TTGGAAACTT CGGCTTCCCC
3701   TGGAGAGAGC GAGATTCTCC GCGCTGTAGA AGTCACCATT GTTGTGCACG
3751   ACGACATCAT TCCGTGGCGT TATCCAGCTA AGCGCGAACT GCAATTTGGA
3801   GAATGGCAGC GCAATGACAT TCTTCAGGT ATCTTCGAGC CAGCCACGAT
3851   CGACATTGAT CTGGCTATCT TGCTGACAAA AGCAAGAGAA CATAGCGTTG
3901   CCTTGGTAGG TCCAGCGGCG GAGGAACTCT TTGATCCGGT TCCTGAACAG
3951   GATCTATTTG AGGCGCTAAA TGAAACCTTA ACGCTATGGA ACTCGCCGCC
4001   CGACTGGGCT GGCGATGAGC GAAATGTAGT GCTTACGTTG TCCCGCATTT
4051   GGTACAGCGC AGTAACCGGC AAAATCGCGC CGAAGGATGT CGCTGCCGAC
4101   TGGGCAATGG AGCGCCTGCC GGCCAGTAT CAGCCCCTCA TACTTGAAGC
4151   TAGACAGGCT TATCTTGGAC AAGAAGAAGA TCGCTTGGCC TCGCGCGCAG
4201   ATCAGTTGGA AGAATTTGTC CACTACGTGA AAGGCGAGAT CACCAAGGTA
4251   GTCGGCAAAT AACCCTCGAG CCACCCATGA CCAAAATCCC TTAACGTGAG
4301   TTACGCGTCG TTCCACTGAG CGTCAGACCC CGTAGAAAAG ATCAAAGGAT
4351   CTTCTTGAGA TCCTTTTTTT CTGCGCGTAA TCTGCTGCTT GCAAACAAAA
4401   AAACCACCGC TACCAGCGGT GGTTTGTTTG CCGGATCAAG AGCTACCAAC
4451   TCTTTTTCCG AAGGTAACCTG GCTTCAGCAG AGCGCAGATA CCAAATACTG
4501   TCCTTCTAGT GTAGCCGTAG TTAGGCCACC ACTTCAAGAA CTCTGTAGCA
4551   CCGCTACAT ACCTCGCTCT GCTAATCCTG TTACCAGTGG CTGCTGCCAG
4601   TGGCGATAAG TCGTGTCTTA CCGGTTGGA CTCAAGACGA TAGTTACCGG
4651   ATAAGGCGCA GCGGTCGGGC TGAACGGGGG GTTCGTGCAC ACAGCCCAGC
4701   TTGGAGCGAA CGACCTACAC CGAACTGAGA TACCTACAGC GTGAGCATTG
4751   AGAAAGCGCC ACGCTTCCCG AAGGGAGAAA GGCGGACAGG TATCCGGTAA
4801   GCGGCAGGGT CGGAACAGGA GAGCGCACGA GGGAGCTTCC AGGGGGAAAAC
4851   GCCTGGTATC TTTATAGTCC TGTCGGGTTT CGCCACCTCT GACTTGAGCG
4901   TCGATTTTTG TGATGCTCGT CAGGGGGGCG GAGCCTATGG AAAAAACGCCA
4951   GCAACGCGGC CTTTTTACGG TTCTTGCCCT TTTGCTGGCC TTTTGCTCAC
5001   ATGTT

```

All ORF clones are provided in Entry Vectors for the Invitrogen Gateway® cloning system. Invitrogen offers a whole range of Destination Vectors for a wide range of applications. Refer to the homepage of Invitrogen for further information on the Gateway® cloning system and related Invitrogen products at:

<http://www.invitrogen.com/content.cfm?pageid=4072>

For further information on the ORFeome Collaboration, visit their homepage at <http://www.orfeomecollaboration.org/html/index.shtml>.

For further technical information visit our homepage at: <http://www.dnaform.jp> or contact us under: techinfo@dnaform.jp.

Contact Address

K.K. DNAFORM – *Precision Gene Technologies*
Leading Venture Plaza–2
75-1, Ono-cho, Tsurumi-ku, Yokohama City
Kanagawa 230-0046
Japan

Tel: +81-(0)45-510-0607
Fax: +81-(0)45-510-0608
e-mail: techinfo@dnaform.jp
Homepage: <http://www.dnaform.jp>