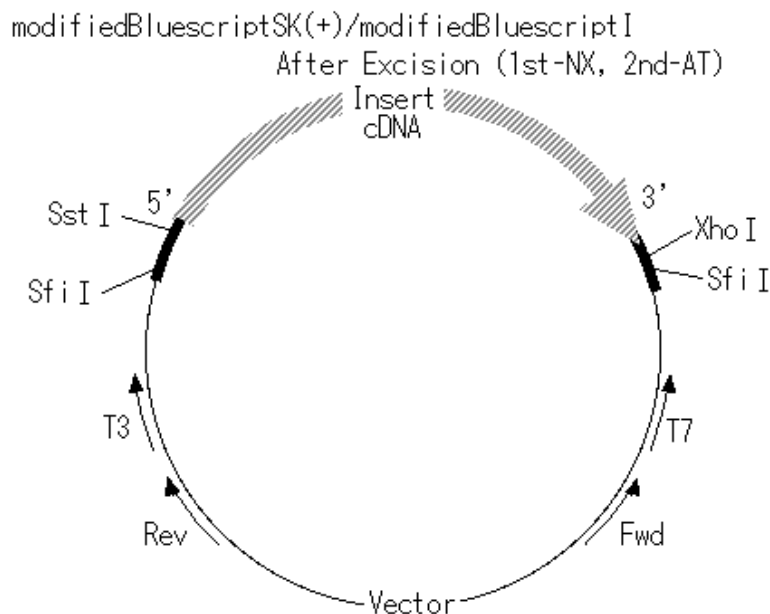


RIKEN FANTOM™ CLONES

Distributed through K.K. DNAFORM

Vector Map: ZA Re-Array Set

Vector Name:	modified BluescriptSK(+)/modified BluescriptI
Original Vector :	pBluescript SK(+)
1st Primer for cDNA library construction:	1st-NX primer
2nd Primer for cDNA library construction:	2nd-AT primer
Cloning Site (5'>3'):	SstI, XhoI
Sequence Primer (Fwd, 3'):	M13-21
Sequence Primer (Rev, 5'):	1233
Selection marker:	100 µg/ml Ampicillin



```

GGAATTGTGAGCGGATAACAATTTACACAGGA AACAGCTATGACCATGATT
                Rev Primer(1233)
ACGCCAAGCTCGAAATTAACCCTCACTAAAGGGAACAAAAGCTGGAGCTATG
                T3 Promoter
GCCCTTATGGCCGAGCTCAATTAATTTAATTAACCCCCCCCCC=====
                Sfi I      Sst I
===cDNA==>AAAAAAAAAAAAAAAAAACTCGAGGGCCGATTTGGCCAATCGAG
                Xho I      Sfi I
GGGGGGCCCGGTACCCAATTCGCCCTATAGTGAGTCGTATTACAATTCACTG
                T7 Promoter
GCGTCGTTTTACAACGTCGTGACTGGGAAAACCCTGGCGTTAC
Fwd Primer(M13-21)
    
```

Reverse complemented

cDNA inserts can be release by digestion with SfiI. Note, the Sall and XhoI sites have been destroyed during cloning.

Sequence:

GCACTTTTCGGGGAAATGTGCGCGGAACCCCTATTTGTTTATTTTCTAAATACATTCAA
ATATGTATCCGCTCATGAGACAATAACCCTGATAAATGCTTCAATAATATTGAAAAAGGA
AGAGTATGAGTATTCAACATTTCCGTGTCGCCCTTATTCCTTTTTTTCGCGCATTTTGCC
TTCCTGTTTTTGTCTACCCAGAAACGCTGGTGAAAGTAAAAGATGCTGAAGATCAGTTGG
GTGCACGAGTGGGTTACATCGAACTGGATCTCAACAGCGGTAAGATCCTTGAGAGTTTTT
GCCCCGAAGAACGTTTTCCAATGATGAGCACTTTTAAAGTTCTGCTATGTGGCGCGGTAT
TATCCCCTATTGACGCCGGCAAGAGCAACTCGGTCGCCGCATACACTATTCTCAGAATG
ACTTGGTTGAGTACTACCAGTACAGAAAAGCATCTTACGGATGGCATGACAGTAAGAG
AATTATGCAGTGTGCCATAACCATGAGTGATAACACTGCGGCCAACTTACTTCTGACAA
CGATCGGAGGACCGAAGGAGCTAACCGCTTTTTTGCACAACATGGGGGATCATGTAACCTC
GCCTTGATCGTTGGGAACCGGAGCTGAATGAAGCCATACCAAACGACGAGCGTGACACCA
CGATGCCTGTAGCAATGGCAACAACGTTGCGCAAACTATTAACCTGGCGAACTACTTACTC
TAGCTTCCCGGCAACAATTAATAGACTGGATGGAGGCGGATAAAGTTGCAGGACCCTTC
TGCGCTCGGCCCTTCCGGCTGGCTGGTTTTATTGCTGATAAATCTGGAGCCGGTGAGCGTG
GGTCTCGCGGTATCATTGCAGCACTGGGGCCAGATGGTAAGCCCTCCCGTATCGTAGTTA
TCTACACGACGGGGAGTCAGGCAACTATGGATGAACGAAATAGACAGATCGCTGAGATAG
GTGCCTCACTGATTAAGCATTGGTAACTGTGAGACCAAGTTTACTCATATATACTTTAGA
TTGATTTAAAACCTTCAATTTTTAATTTAAAAGGATCTAGGTGAAGATCCTTTTTGATAATC
TCATGACCAAAATCCCTTAACGTGAGTTTTTCGTTCCACTGAGCGTCAGACCCCGTAGAAA
AGATCAAAGGATCTTCTTGAGATCCTTTTTTTTTCTGCGCGTAATCTGCTGCTTGCAAACAA
AAAAACCACCGCTACCAGCGGTGGTTTTGTTTTGCCGGATCAAGAGCTACCAACTCTTTTTTC
CGAAGGTAACGGCTTCCAGCAGAGCGCAGATAACAAATACTGTCTTCTAGTGAGCCGT
AGTTAGGCCACCCTTCAAGAACTCTGTAGCACCGCTACATACCTCGCTCTGCTAATCC
TGTTACCAGTGGCTGCTGCCAGTGGCGATAAGTCGTGCTTACCAGGTTGGACTCAAGAC
GATAGTTACCGGATAAGGCGCAGCGGTCCGGCTGAACGGGGGGTTCTGTCACACAGCCCA
GCTTGAGCGAACGACCTACACCGAACTGAGATACCTACAGCGTGAGCTATGAGAAAGCG
CCACGCTTCCCGAAGGGAGAAAGGCGGACAGGTATCCGGTAAGCGGCAGGGTCCGGAACAG
GAGAGCGCACGAGGGAGCTTCCAGGGGAAACGCCTGGTATCTTTATAGTCCTGTCCGGT
TTCGCCACCTCTGACTTGAGCGTCGATTTTTGTGATGCTCGTCAGGGGGGCGGAGCCTAT
GAAAAACCGCAGCAACGCGGCCTTTTTACGGTTCCTGGCCTTTTTGCTGGCCTTTTGCTC
ACATGTTCTTTCTGCGTTATCCCCTGATTCTGTGGATAACCGTATTACCGCCTTTGAGT
GAGCTGATACCGCTCGCCGACGCCGAACGACCGAGCGCAGCGAGTCAGTGAGCGAGGAAG
CGGAAGAGCGCCCAATACGCAAACCGCTTCTCCCCGCGCGTTGGCCGATTCAATTAATGCA
GCTGGCACGACAGTTTTCCCGACTGGAAAGCGGGCAGTGAGCGCAACGCAATTAATGTGA
GTTAGCTCACTCATTAGGCACCCAGGCTTTACACTTTATGCTTCCGGCTCGTATGTTGT
GTGGAATTGTGAGCGGATAACAATTTACACAGGAACAGCTATGACCATGATTACGCCA
Rev Primer (1233)
AGCTCGAAATTAACCTCACTAAAGGGAACAAAAGCTGGAGCTATGGCCCTTATGGCCGA
T3 Promoter SfiI
GCTCCAATTAATTTAATTAACCCCCCCCCC=cDNA=>AAAAAAAAAAAAAAAACTCGAG
SstI XhoI
GGCCGATTTGGCCAATCGAGGGGGGGCCCGGTACCCAATTCGCCCTATAGTGAGTCGTAT
SfiI T7 Promoter
TACAATTCACTGGCCGTCGTTTTACAACGTCGTGACTGGGAAAACCCTGGCGTTACCCAA
Fwd Primer (M13-21)
CTTAATCGCCTTGAGCACATCCCCCTTTCGCCAGCTGGCGTAATAGCGAAGAGGCCCCG
ACCGATCGCCCTTCCAACAGTTGCGCAGCCTGAATGGCGAATGGGACGCGCCCTGTAGC
GGCGCATTAAGCGCGGCGGTGTGGTGGTTACGCGCAGCGTGACCGCTACACTTGCCAGC
GCCCTAGCGCCCGCTCCTTTCGCTTTCTCCCTTCTTCTCGCCACGTTTCGCCGGCTTT
CCCCGTCAAGCTCTAAATCGGGGGCTCCCTTTAGGGTTCCGATTTAGTGCTTTACGGCAC
CTCGACCCCAAAAACTTGATTAGGGTGATGGTTCACGTAGTGGGCCATCGCCCTGATAG
ACGGTTTTTCGCCCTTTGACGTTGGAGTCCACGTTCTTTAATAGTGGACTCTTGTTCCAA
ACTGGAACAACACTCAACCCTATCTCGGTCATTTCTTTGATTTATAAGGGATTTTGCCG
ATTTCCGGCTATTGGTTAAAAAATGAGCTGATTTAACAAAAATTTAACCGCAATTTTAAC
AAAATATTAACGCTTACAATTTAGGTG

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