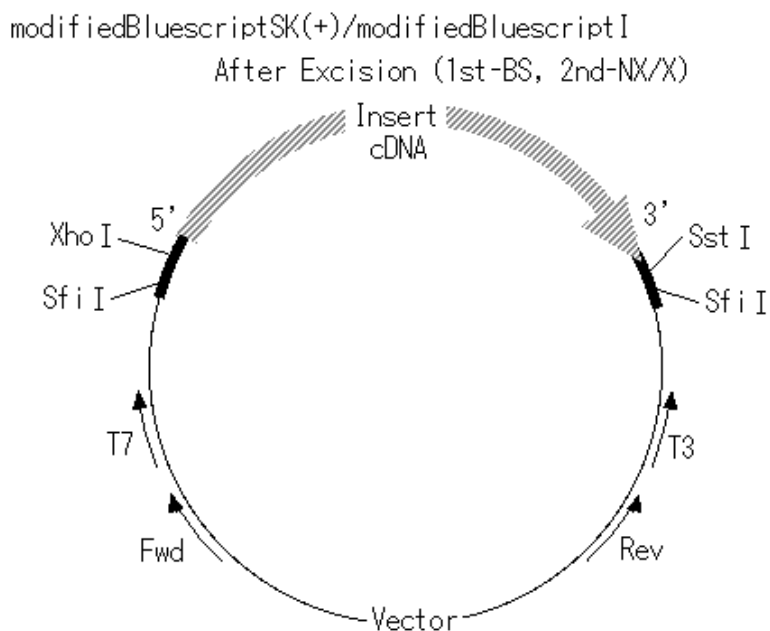


RIKEN FANTOM™ CLONES

Distributed through K.K. DNAFORM

Vector Map: ZX Re-Array Set

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



```

TAACGCCAGGGTTTTCCAGTCACGACGT TGTAAAACGACGGCCAGT GAATT
                                     Fwd Primer(M13-21)
GTAATACGACTCACTATAGGGCGAATTGGGTACCGGGCCCCCCTCGATTGG
      T7 Promoter
CCAAATCGGCCCTCGAGTTAATTAATTAATCCCCCCCCCCCC==cDNA==
      Sfi I   Xho I
=>AAAAAAAAAAAAAAAAAGAGCTCGGCCATAAGGGCCATAGCTCCAGCTTTT
                                     Sst I   Sfi I
GTTCCCTTTAGTGAGGGTTAATTTCGAGCTTGGCGTAATCATGGTCATAGCT
      T3 Promoter
GTTTCCTGTGTGAAATTGTTATCCGCTCACAATTCACACAACATACGAGCC
                                     Rev Primer(1233)
GGAAG
    
```

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

Sequence:

CACCTAAATTGTAAGCGTTAATATTTTGTAAAATTTCGCGTTAAATTTTTGTAAATCAG
CTCATTTTTTAACCAATAGGCCGAAATCGGCAAAATCCCTTATAAATCAAAGAATAGAC
CGAGATAGGGTTGAGTGTGTTCCAGTTTGGAAACAAGAGTCCACTATTAAAGAACGTGGA
CTCCAACGTCAAAGGGCGAAAAACCGTCTATCAGGGCGATGGCCCACTACGTGAACCATC
ACCCTAATCAAGTTTTTTGGGGTTCGAGGTGCCGTAAAGCACTAAATCGGAACCCTAAAGG
GAGCCCCGATTTAGAGCTTGACGGGGAAAGCCGGCGAACGTGGCGAGAAAGGAAGGGAA
GAAAGCGAAAGGAGCGGGCGTAGGGCGTGGCAAGTGTAGCGGTACGCTGCGCGTAAC
CACCACACCCGCGCTTAATGCGCCGTACAGGGCGCGTCCCATTCGCCATTTCAGGCT
GCGCAACTGTTGGGAAGGGCGATCGGTGCGGGCCTCTTCGCTATTACGCCAGCTGGCGAA
AGGGGGATGTGCTGCAAGGCGATTAAGTTGGGTAACGCCAGGGTTTTCCAGTACGACG
TTGTAAAACGACGGCCAGTGAATTGTAATACGACTCACTATAGGGCGAATTGGGTACCGG
Fwd Primer T7 Promoter
GCCCCCCTCGATTGGCCAAATCGGCCCTCGAGTAAATTAATTAATCCCCCCCCCCCC
SfiI XhoI
==cDNA==>AAAAAAAAAAAAAAAAGAGCTCGGCCATAAGGGCCATAGCTCCAGCTTTTG
SstI SfiI
TTCCCTTTAGTGAGGGTTAATTTCGAGCTTGGCGTAATCATGGTTCATAGCTGTTTCCTGT
T3 Promoter
GTGAAATTGTTATCCGCTCACAATTCACACAACATACGAGCCGGAAGCATAAAGTGTA
Rev Primer
AGCCTGGGGTGCCTAATGAGTGAGCTAACTCACATTAATTGCGTTGCGCTCACTGCCCGC
TTTCCAGTCGGGAAACCTGTCGTGCCAGCTGCATTAATGAATCGGCCAACGCGGGGAG
AGGCGGTTTGCATTTGGGCGCTCTTCCGCTTCTCGCTCACTGACTCGCTGCGCTCGGT
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AATCGACGCTCAAGTCAGAGGTGGCGAAACCCGACAGGACTATAAAGATAACCAGGCGTT
TCCCCCTGGAAGCTCCCTCGTGCGCTCTCCTGTTCCGACCCTGCCGCTTACCGGATACT
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TACAGAGTTCTTGAAGTGGTGGCCTAACTACGGCTACACTAGAAGGACAGTATTTGGTAT
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CCCCAGTGCTGCAATGATACCGCGAGACCCACGCTCACCGGCTCCAGATTTATCAGCAAT
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ATTCAGCTCCGGTTCCCAACGATCAAGGCGAGTTACATGATCCCCCATGTTGTGCAAAAA
AGCGGTTAGCTCCTTCGGTCCCTCCGATCGTTGTGAGAAGTAAGTTGGCCGAGTGTATC
ACTCATGGTTATGGCAGCACTGCATAATCTCTTACTGTGATGCCATCCGTAAGATGCTT
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ATCCAGTTCGATGTAACCCACTCGTGCACCCAACTGATCTTACGATCTTTTACTTTTAC
CAGCGTTTCTGGGTGAGCAAAAAACAGGAAGGCAAAATGCCGCAAAAAAGGGAATAAGGGC
GACACGGAAATGTTGAATACTCATACTCTTCTTTTCAATATTATGAAGCATTATCA
GGTTATTGTCTCATGAGCGGATACATATTTGAATGTATTTAGAAAAATAAACAAATAGG
GTTCCGCGCACATTTCCCCGAAAAGTGC

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