

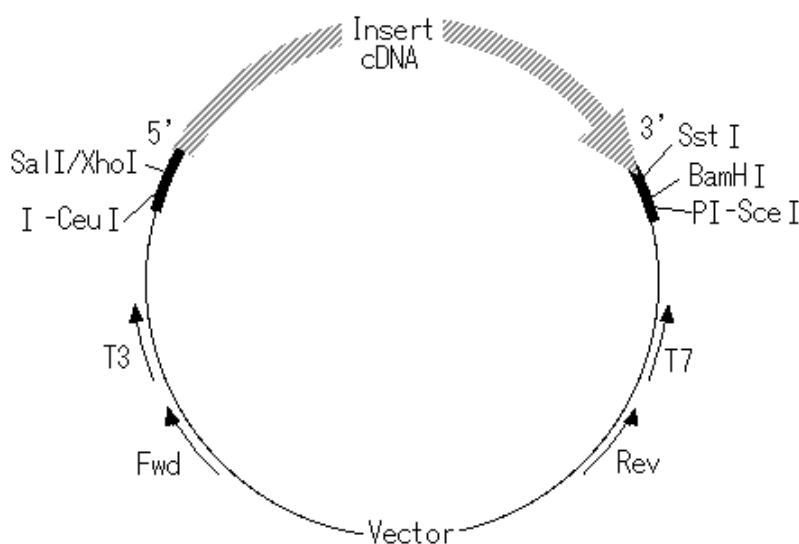
RIKEN FANTOM™ CLONES

Distributed through K.K. DNAFORM

Vector Map: FT Re-Array Set

Vector Name:	pFLCIII
Original Vector:	pBluescript KS(+)
1st Primer for cDNA library construction:	1st-BS primer
2nd Primer for cDNA library construction:	2nd-hairpin-linker primer
Cloning Site (5'>3'):	SalI/XhoI, SstI, BamHI
Sequence Primer (Fwd, 5'):	M13-21
Sequence Primer (Rev, 3'):	(1233)
Selection marker:	100 µg/ml Ampicillin

FLCIII After Excision (1st-BS, 2nd-hairpin-linker)



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CGACGTTGTAAAACGACGGCCAGTGAATTGCGCGCAATTAACCCTCACTAA
      Fwd Primer (M13-21)                T3 Promotor
AGGGAACAAAGATGTGTAACTATAACGGTCCTAAGGTAGCGAGTCGAGAC=
                        I-CeuI           SalI/XhoI
=cDNA==>AAAAAAAAAAAAAAAAAGAGCTCTTGGATCCTGCCATTTCATTA
                        SstI           BamHI
CCTCTTTCTCCGCACCCGACATAGATGCATCGCCCTATAGTGAGTCGTAT
                        PI-SceI                T7 Promotor
TACATAGCTGTTTCCTGTGTGAAATTGTTATCCGCTATCCGCTCACAATTC
                        Rev Primer
CACACAACATACGA
    
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cDNA inserts can be release by digestion with I-CeuI and PI-SceI. Those are Homing Endonucleases that commonly do not cut within cDNA inserts. Note, the SalI and XhoI sites had been destroyed during cloning.

Sequence:

CACCTAAATTGTAAGCGTTAATATTTTGTAAAATTTCGCGTTAAATTTTTGTAAATCA
GCTCATTTTTTAACCAATAGGCCGAAATCGGCAAAATCCCTTATAAATCAAAGAATAG
ACCGAGATAGGGTTGAGTGTGTTCCAGTTTGGAAACAAGAGTCCACTATTAAAGAACGT
GGACTCCAACGTCAAAGGGCGAAAAACCGTCTATCAGGGCGATGGCCCACTACGTGAAC
CATCACCTAATCAAGTTTTTTGGGGTCGAGGTGCCGTAAGCACTAAATCGGAACCCCT
AAAGGGAGCCCCGATTTAGAGCTTGACGGGGAAAGCCGGCGAACGTGGCGAGAAAGGA
AGGGAAGAAAGCGAAAGGAGCGGGCGCTAGGGCGCTGGCAAGTGTAGCGGTACGCTGC
CGTAACCACACACCCCGCGCTTAATGCGCCGCTACAGGGCGCGTCCCATTCCGCA
TTCAGGCTGCGCAACTGTTGGGAAGGGCGATCGGTGCGGGCCTCTTCGCTATTACGCCA
GCTGGCGAAAGGGGATGTGCTGCAAGGCGATTAAGTTGGGTAACGCCAGGGTTTTCCC
AGTCACGACGTTGTA AACCGACGGCCAGTGAATTGCGCGCAATTAACCCTCACTAAAGG
Fwd Primer T3 Promotor
GAACAAAGATGTGTAACTATAACGGTCCTAAGGTAGCGAGTTCGAGAC==cDNA==>AAA
I-CeuI SalI/XhoI
AAAAAAAAAAAAAGAGCTCTTGGATCCTGCCATTTTCATTACCTCTTTCTCCGCACCCGA
SstI BamHI PI-SceI
CATAGATGCATCGCCCCTATAGTGAGTCGTATTACATAGCTGTTTCCTGTGTGAAATTGTTA
T7 Promotor Rev Primer
TCCGCTATCCGCTCACAATTCACACAACATACGAGCCGGAAGCATAAAGTGTAAGCC
TGGGGTGCCTAATGAGTGAGCTAACTCACATTAATTGCGTTGCGCTCACTGCCCGCTTT
CCAGTCGGGAAACCTGTCGTGCCAGCTGCATTAATGAATCGGCCAACGCGCGGGGAGAG
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GTAAGTTGGCCGAGTGTATCACTCATGGTTATGGCAGCACTGCATAATTCTCTTACT
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CGCCACATAGCAGAACTTTAAAAGTGCTCATATTGAAAACGTTCTTCGGGGCGAAAA
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CTTTTTCAATATTATTGAAGCATTATCAGGGTTATTGTCTCATGAGCGGATACATATT
TGAATGTATTTAGAAAAATAACAAATAGGGGTTCCGCGCACATTTCCCCGAAAAGTGC

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