

**RIKEN clone ID : IRAL031005**

Vector : pDNR-LIB

Gene	HHEX	
Accession No.	BC015110.1	1825 bp
	<i>CDS</i>	813 bp
		1..1825
		37..849

● Plasmid DNA purification

Date : 120327 Culture : LB (25 ug/ml Chloramphenicol) <sup>10</sup>~~5~~ ml → 37°C O/N  
 Date : 120329 Purification : QIAGEN Miniprep kit → dH<sub>2</sub>O 100 ul

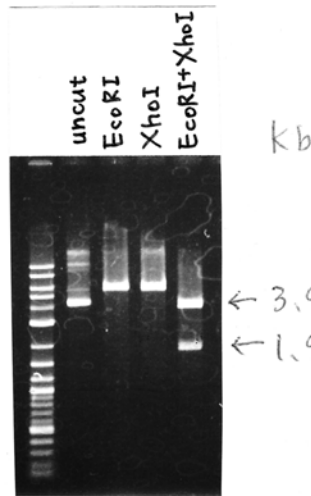
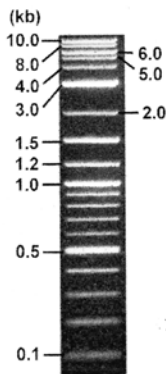
● Digestion by restriction enzyme/Concentration calibration

Date : 120329 DNA concentration (O.D.): 46.9 ng/ul

DNA	2	ul
Enzyme (EcoRI + XhoI)	0.5 + 0.5	ul
Buffer H	1	ul
dH <sub>2</sub> O	6	ul
Total	10	ul

Electrophoresis : 1% agarose gel, 1x TAE Buffer

Marker : 2-Log DNA Ladder (NEB#N3200L)



<Expected digestion pattern from BC015110.1 >

3919, 1858 bp

● Adjust plasmid DNA solution to 25 ng/ul ~preparation for shipping~

Date : 120405 Shipped : 25 ng/ul, 40 ul

Final concentration : 25 ng/ul

DNA ( <u>46.9</u> ng/ul )	72	ul
10x TE	13.5	ul
dH <sub>2</sub> O	49.6	ul
Total	135.1	ul

1 T G C T G C G C G G A A T T C G G C A C C G A G C G C A G C T C A G T G A G C G A G G A A G C G C C C A T A A C T T C G T A T A G C A T A C A T T A T A C G A A G T T A T C A G T C G A C G G T A C C G G

loxP

SalI

ACATATGCCCCCGGAAATTCGGCCATTAACGGCCGGGAGCTCTGGAGGGCCCGGAGCGCGGGCGAGCCATGCACTAACCCGCAACCCCGGGCCGCGCCGGCGCCGCTGGGGGT  
109 118 127 136 145 154 163 172 181 190 199 208 21

NdeI EcoRI Vector ← insert →

3CCGCTGTACGGCCCGCCAGCCGGCTGTCTGCAACC GCACACCCGACCGCCCTTTACTCGAGACATCTGGGGCCGGCCCGCCGCGCCCGCAACGGCTGGCCGTTCC  
7 226 235 244 253 262 271 280 289 298 307 316 325

CCCCAATCTCCCTTCAACAACCCTCGTGTCCCTAACCCGACCCGGGTACGAAGCCCAACCCGATCCATCCAGCCCTTCTGCAACCACTCCGCCCCCGCGCTGGCCGCTGCCTAC  
334 343 352 361 370 379 388 397 406 415 424 433 442

GGACCCGGGGCTTCGGGGCCCTCTGTAACCCCTTCCCGGGACGGTGAACGACTACAAGCAAGCCCTCGCTCCGCCAGACCCCTGGGCAAACCTTACTCTGGAGCCCTT  
451 460 469 478 487 496 505 514 523 532 541 550

TCTTGCAAGAGCCCTCTGCAATAAAAGGAAGAGGGCCCAAGTGAATCTCCCAACGACCAAGCAATCGAGCTGGAAGAAGAAATTCGAGACGCAAGAAATATCTCTCCGCC  
559 568 577 586 595 604 613 622 631 640 649 658 66

