

RIKEN Clone ID : IRAL018K19

Vector : pOTB7

Gene	ACTN4	
Accession No.	BC005033.1	3504 bp
	<i>CDS</i>	2736 bp
		1..3504
		14..2749

● Plasmid DNA purification

Date : 120613

Culture : LB (25 ug/ml Chloramphenicol) 10 ml -> 37°C O/N

Date : 120614

Purification : QIAGEN Miniprep kit -> dH₂O 100 ul

● Digestion by restriction enzyme/Concentration calibration

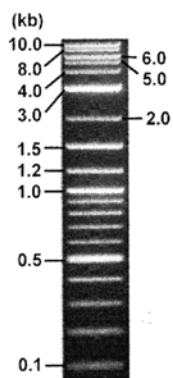
Date : 120614

DNA concentration (O.D.): 222 ng/ul

DNA	0.2 ul
Enzyme (BamHI + BglII)	0.5 + 0.5 ul
Buffer H	1 ul
dH ₂ O	7.8 ul
Total	10 ul

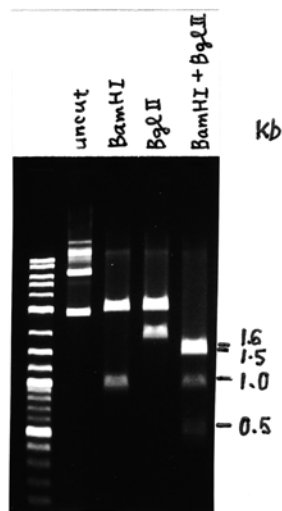
Electrophoresis : 1% agarose gel, 1x TAE Buffer

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



<Expected digestion pattern from BC005033.1 >

.....1615, 1592, 1028, 568, 502 bp.....



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

Date : 120618

Shipped : 25 ng/ul, 40 ul

DNA (<u>222</u> ng/ul)	85.0 ul
10x TE	75.5 ul
dH ₂ O	594.3 ul
Total	754.8 ul

