

RIKEN_clone ID : IRAK088B12

Vector : pCMV-SPORT6

| | | |
|---------------|------------|----------|
| Gene | AKAP9 | |
| Accession No. | BC040932.1 | 1663 bp |
| | <i>GDS</i> | 1323 bp |
| | | <1..1663 |
| | | <1..1323 |

● Plasmid DNA purification

Date : 120326 Culture : LB (100 ug/ml Ampicillin) 5 ml -> 37°C O/N

Date : 120327 Purification : QIAGEN Miniprep kit -> dH₂O 100 ul

● Digestion by restriction enzyme/Concentration calibration

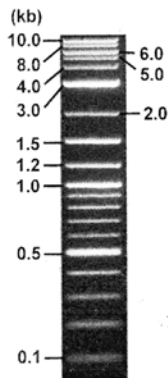
Date : 120327

DNA concentration (O.D.): 132 ng/ul

| | | |
|-----------------------|-----------|----|
| DNA | 1 | ul |
| Enzyme (EcoRI + XhoI) | 0.5 + 0.5 | ul |
| Buffer H | 1 | ul |
| dH ₂ O | 7 | ul |
| Total | 10 | ul |

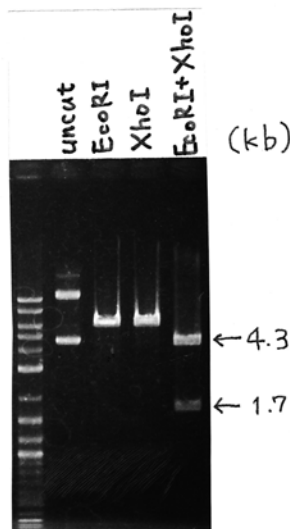
Electrophoresis : 1% agarose gel, 1x TAE Buffer

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



<Expected digestion pattern from BC040932.1 >

4339, 1706 bp



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

Date : 120330 Shipped : 25 ng/ul, 40 ul

Final concentration : 25 ng/ul

| | | |
|-------------------------|-------|----|
| DNA (<u>132</u> ng/ul) | 83.0 | ul |
| 10x TE | 43.8 | ul |
| dH ₂ O | 311.4 | ul |
| Total | 438.2 | ul |

