

**RIKEN Clone ID : ARi30C11**

Vector : pGCAP10

Gene	PRPSAP2		
RefSeq_mRNA	NM_002767.3	2021 bp	1..2021
	<i>CDS</i>	1110 bp	323..1432
	<i>5'-terminal sequence</i>	1981 bp	41..2021

● Plasmid DNA purification

Date : 120705

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

Date : 120706

Purification : QIAGEN Miniprep kit -> dH<sub>2</sub>O 100 ul

● Digestion by restriction enzyme/Concentration calibration

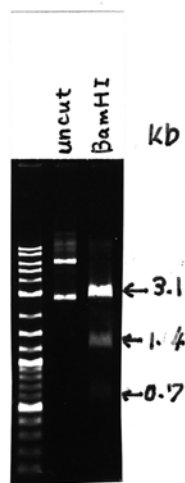
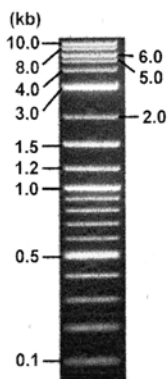
Date : 120706

DNA concentration (O.D.): 150 ng/ul

DNA	0.3	ul
Enzyme (BamHI)	1	ul
Buffer H	1	ul
dH <sub>2</sub> O	7.7	ul
<b>Total</b>	<b>10</b>	<b>ul</b>

Erectrophoresis : 1% agarose gel, 1x TAE Buffer

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



<Expected digestion pattern from ARi30C11 >

3138, 1495, 687 bp (inference)

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

Date : 120719

Shipped : 25 ng/ul, 40 ul

DNA ( <u>150</u> ng/ul)	85.0	ul
10x TE	51.0	ul
dH <sub>2</sub> O	374.0	ul
<b>Total</b>	<b>510.0</b>	<b>ul</b>

