

**RIKEN Clone ID : IRAK063G10**

Lot#: 7566\_A8E8

Vector : pBluescriptR

Gene	NUP214	
Accession No.	BC045620.1	6591 bp
	CDS	6273 bp

● Plasmid DNA purification

Date : 180509

Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C over night

Date : 180510

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

● Digestion by restriction enzyme/Concentration calibration

Date : 180510

DNA concentration (O.D.): 231 ng/ul

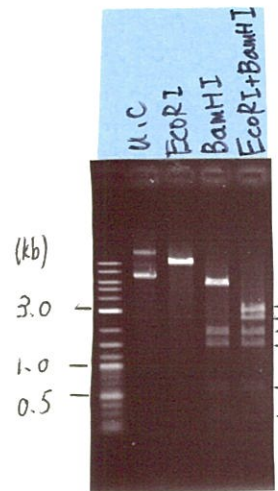
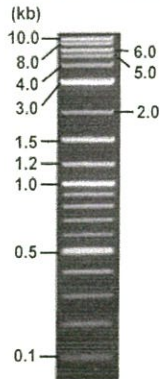
< Size of fragment expected from this clone >

DNA	<u>0.4</u> ul
Enzyme (EcoRI + BamHI)	0.5 + 0.5 ul
Buffer H	1 ul
dH <sub>2</sub> O	<u>7.6</u> ul
Total	10 ul

EcoRI	<u>9.4</u> kb
BamHI	5.3, 1.8, 1.5, 0.6, 0.2 kb
EcoRI + BamHI	2.8kb (Vector)      2.5, 1.8, 1.5, 0.6, 0.2 kb

Electrophoresis : 1% agarose gel, 1x TAE Buffer

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



● Adjust plasmid DNA solution to 25 ng/ul

Date : 180516

DNA ( <u>231</u> ng/ul)	<u>80.0</u> ul
10x TE	<u>73.9</u> ul
dH <sub>2</sub> O	<u>585.3</u> ul
Total	<u>739.2</u> ul

● Confirmation of the insertion sequence

Date : 180515

Primer A	T7
Primer B	Reverse2
Primer C	-
List of Sequencing Primers	<a href="http://dna.brc.riken.jp/en/GNPclone3en.html">http://dna.brc.riken.jp/en/GNPclone3en.html</a>

● Shipping

Conc. : 25 ng/ul, Volume : 40 ul  
 Conc. : ng/ul, Volume : ul

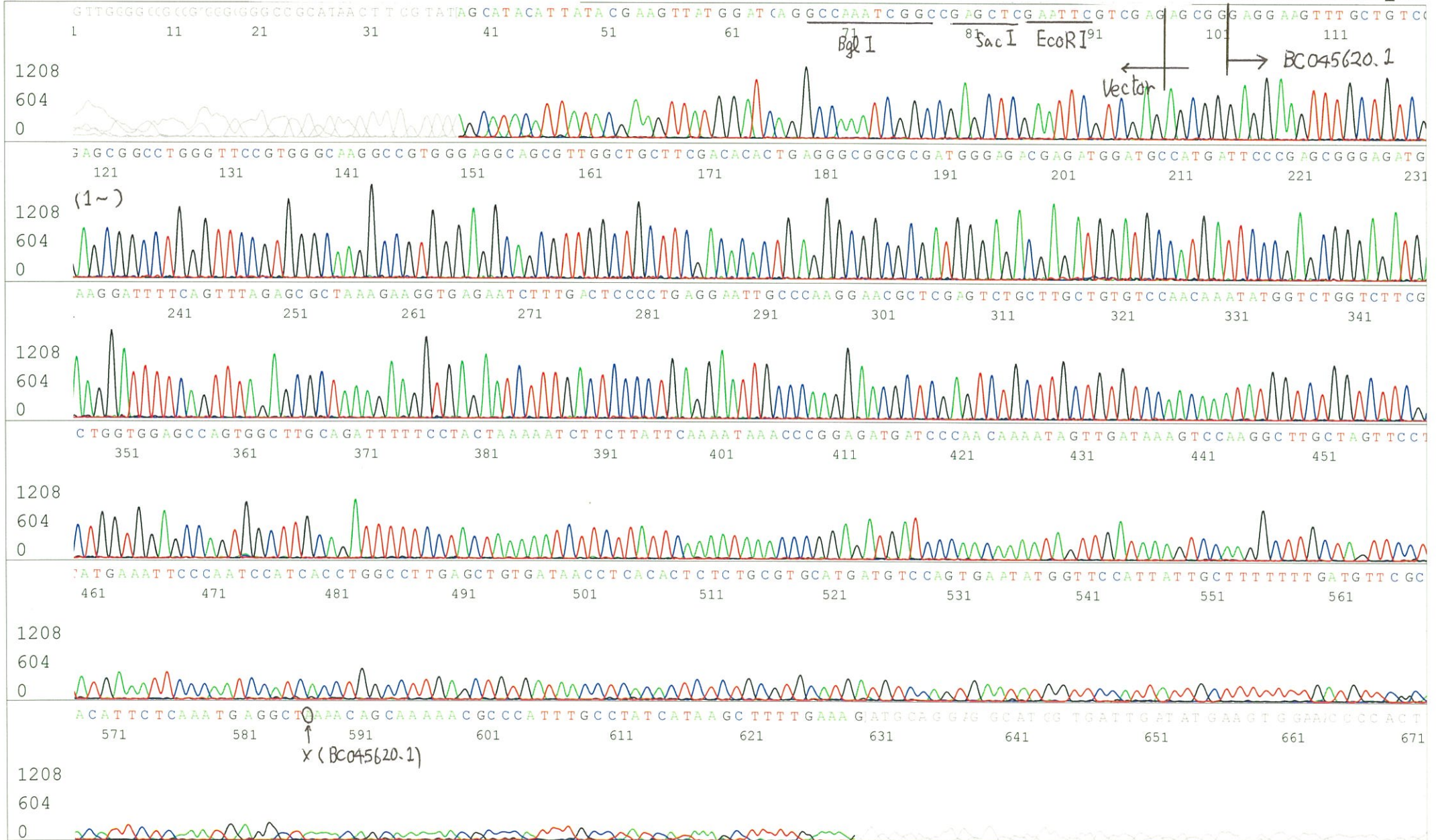


APPROVED BY : <http://dna.brc.riken.jp/index.html>

S/N G:22 A:23 T:27 C:29  
KB.bcp  
KB 1.4.1.8 Cap:3

Primer A : T7  
5' TAATACGACTCACTATAGGG 3'

Gray line indicates quality value  
(QV) < 40.



S/N G:53 A:70 T:59 C:90  
KB.bcp  
KB 1.4.1.8 Cap:4

Primer B : Reverse2  
5' GCGGATAACAATTTTCACACAGG 3'

Gray line indicates quality value  
(QV) < 40.

