

**RIKEN Clone ID : IRAK070004**

Lot#: 7566\_B0Fm

Vector : pBluescriptR

Gene	AOF2	
Accession No.	BC040194.2	3076 bp
	CDS	2631 bp

● Plasmid DNA purification

Date : 2020.07.07

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

Date : 2020.07.08

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

● Digestion by restriction enzyme/Concentration calibration

Date : 2020.07.08

DNA concentration (O.D.): 266 ng/ul

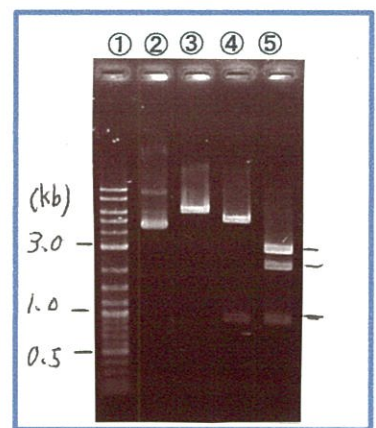
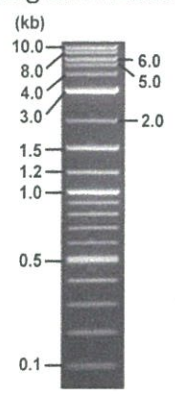
< Size of fragment expected from this clone >

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

EcoRI	5.9 kb
BamHI	5.0, 0.9 kb
EcoRI + BamHI	2.8kb (Vector)      2.2, 0.9 kb

Erectrophoresis : 1% agarose gel, 1x TAE Buffer

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



- ①:Marker
- ②:uncut
- ③:EcoRI
- ④:BamHI
- ⑤:EcoRI + BamHI

● Adjust plasmid DNA solution to 25 ng/ul

Date : 2020.07.17

● Confirmation of the insertion sequence

Date : 2020.07.09

DNA ( <u>266</u> ng/ul)	<u>83.0</u> ul
10x TE	<u>88.3</u> ul
dH <sub>2</sub> O	<u>71.8</u> ul
Total	<u>883.1</u> ul

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 :

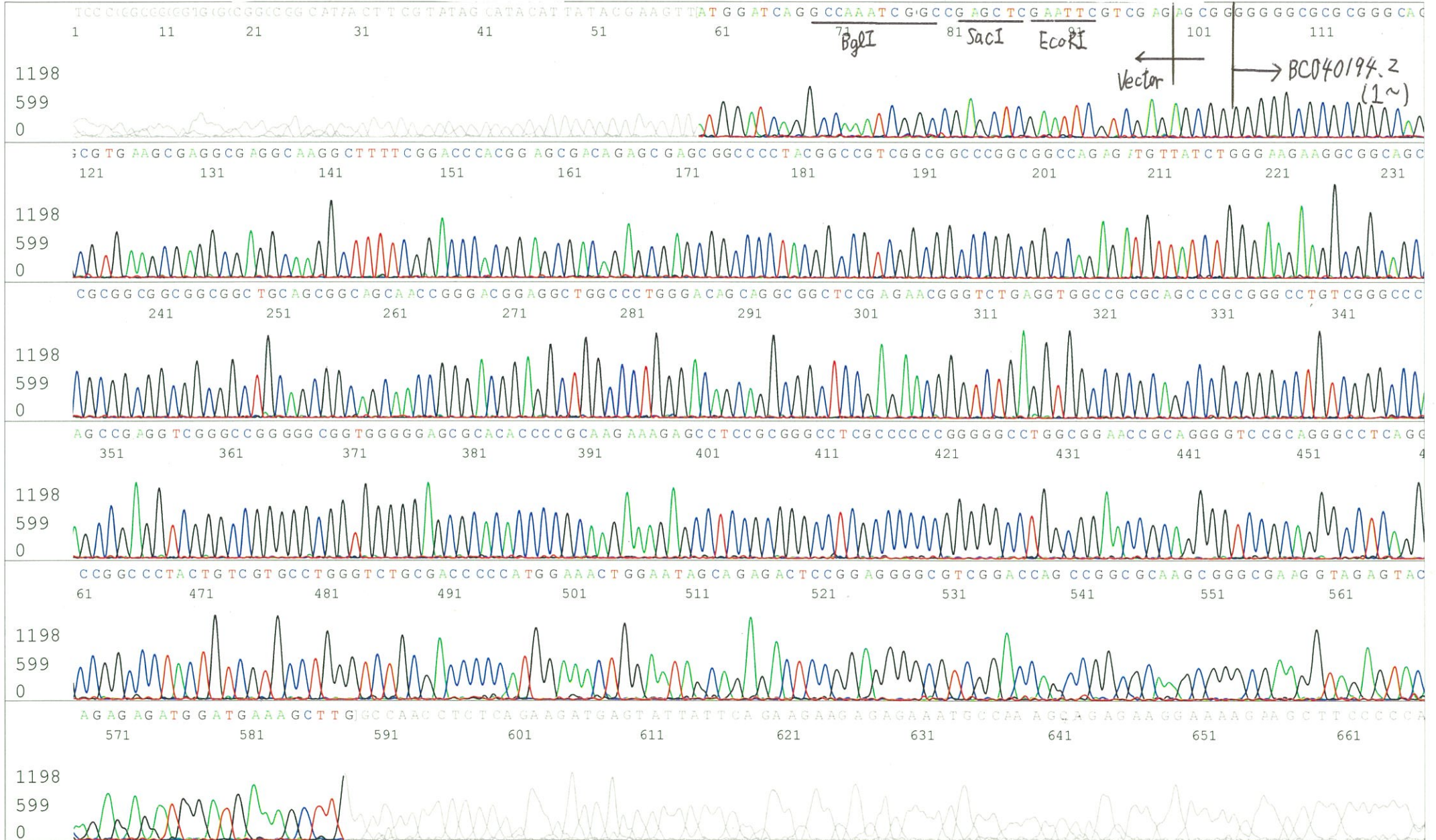
<http://dna.brc.riken.jp/index.html>



S/N G:24 A:21 T:13 C:31  
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:24 A:20 T:19 C:31

Primer B : Reverse2

7566\_IRAK070004\_B0Fm\_3\_Reverse2

Jul 09,2020 09:47AM, JST

KB.bcp

KB\_3500\_POP7\_BDTv3.mob

Gray line indicates quality value

Jul 09,2020 10:02AM, JST

KB 1.4.1.8 Cap:6

5' GCGGATAACAATTTTCACACAGG 3'

Pts 1781 to 8442 Pk1 Loc:1749

(QV) < 40.

Spacing:10.17 Pts/Panel1350

Plate Name: 20200709\_MGE

