

RIKEN Clone ID : IRAK167M17

Lot#: 7566_B0Hq

Vector : pBluescriptR

| | | |
|---------------|------------|---------|
| Gene | KIAA1841 | |
| Accession No. | BC070104.1 | 3131 bp |
| | CDS | 2124 bp |

● Plasmid DNA purification

Date : 2020.08.31

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

Date : 2020.09.01

Purification : QIAGEN Miniprep kit -> dH₂O 100 ul

● Digestion by restriction enzyme/Concentration calibration

Date : 2020.09.01

DNA concentration (O.D.): 311 ng/ul

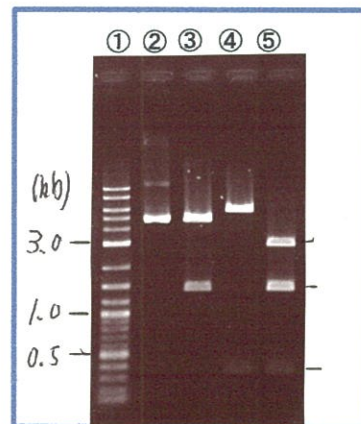
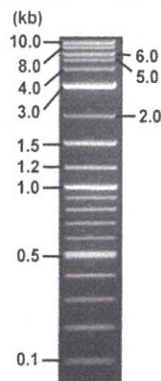
< Size of fragment expected from this clone >

| | | |
|------------------------|-----------|----|
| DNA | 0.3 | ul |
| Enzyme (EcoRI + BamHI) | 0.5 + 0.5 | ul |
| Buffer H | 1 | ul |
| dH ₂ O | 7.7 | ul |
| Total | 10 | ul |

| | | | |
|---------------|----------------|---------------|----|
| EcoRI | 4.5, 1.4 | kb | |
| BamHI | 5.6, 0.3 | kb | |
| EcoRI + BamHI | 2.8kb (Vector) | 1.4, 1.4, 0.3 | kb |

Electrophoresis : 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 : 2020.09.04

| | | |
|-------------------|--------|----|
| DNA (311 ng/ul) | 83.0 | ul |
| 10x TE | 103.2 | ul |
| dH ₂ O | 846.3 | ul |
| Total | 1032.5 | ul |

● Confirmation of the insertion sequence

Date : 2020.09.03

| | |
|----------------------------|---|
| Primer A | T7 |
| Primer B | Reverse2 |
| Primer C | - |
| List of Sequencing Primers | http://dna.brc.riken.jp/en/GNPclone3en.html |

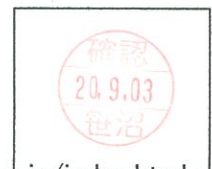
● Shipping

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

~~Conc. : ng/ul, Volume : ul~~

APPROVED BY :

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



S/N G:96 A:97 T:44 C:79

Primer A : T7

7566_IRAK167M17_B0Hq_3_T7

Sep 03,2020 12:04PM, JST

KB.bcp

KB_3500_POP7_BDTv3.mob

Gray line indicates quality value

Sep 03,2020 12:19PM, JST

KB 1.4.1.8 Cap:1

5' TAATACGACTCACTATAGGG 3'

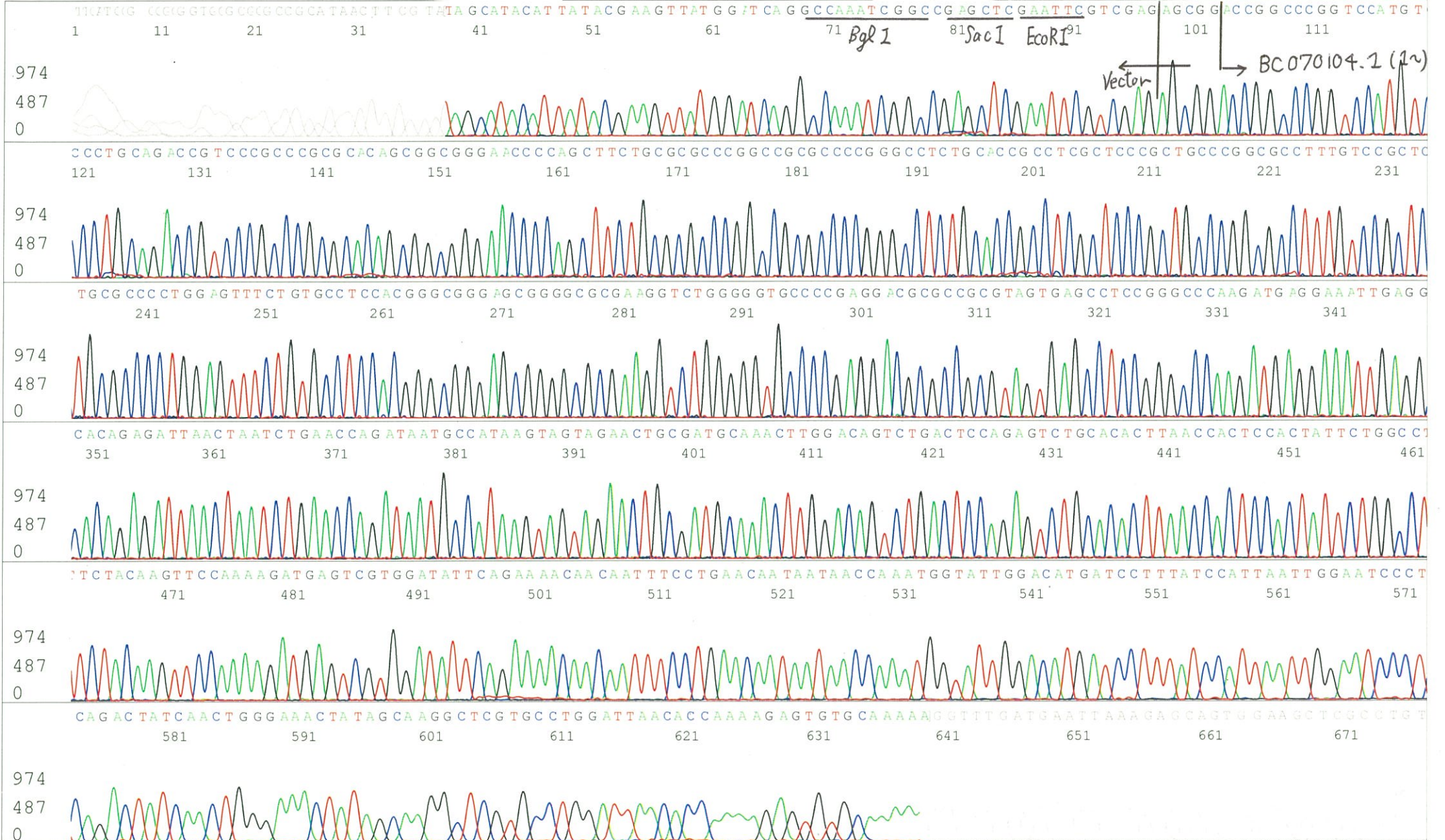
Pts 1770 to 8702 Pk1 Loc:1738

(QV) < 40.

Spacing:10.71 Pts/Panel1350

Version 6.0 HiSQV Bases: 687

Plate Name: 20200903_GNP



S/N G:60 A:98 T:46 C:42
KB.bcp
KB 1.4.1.8 Cap:2

Primer B : Reverse2
5' GCGGATAACAATTTTCACACAGG 3'

Gray line indicates quality value
(QV) < 40.

