

RIKEN Clone ID : IRAK020A19

Lot#: 7893_A5A5

Vector : pCMV-SPORT6

Gene	ARHGEF1	
Accession No.	BC034013.1	3180 bp
	<i>CDS</i>	2784 bp
		1..3180
		21..2804

● Plasmid DNA purification

Date : 150106

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

Date : 150107

Purification : QIAGEN Miniprep kit -> dH₂O 100 ul

● Digestion by restriction enzyme/Concentration calibration

Date : 150107

DNA concentration (O.D.): 192 ng/ul

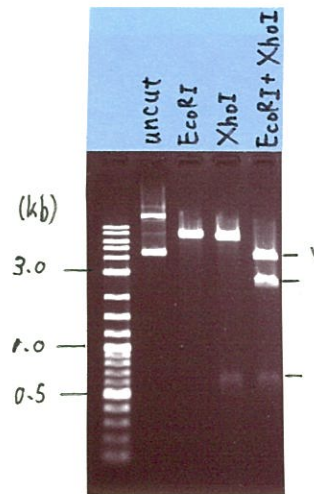
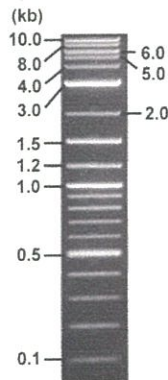
< Size of fragment expected from IRAK020A19 >

DNA	0.2 ul
Enzyme (EcoRI + XhoI)	0.5 + 0.5 ul
Buffer H	1 ul
dH ₂ O	7.8 ul
Total	10 ul

EcoRI	7562 bp
XhoI	6975, 587 bp
EcoRI + XhoI	4339bp (Vector) 2636, 587 bp

Electrophoresis : 1% agarose gel, 1x TAE Buffer

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



● Adjust plasmid DNA solution to 25 ng/ul

Date : 150108

DNA (192 ng/ul)	88.0 ul
10x TE	67.6 ul
dH ₂ O	520.2 ul
Total	675.8 ul

● Confirmation of the insertion sequence

Date : 150107

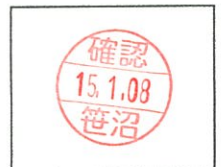
Primer A	Reverse2
Primer B	M13
Primer C	-
List of Sequencing Primers	http://dna.brc.riken.jp/en/GNPclone3en.html

● Shipping

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

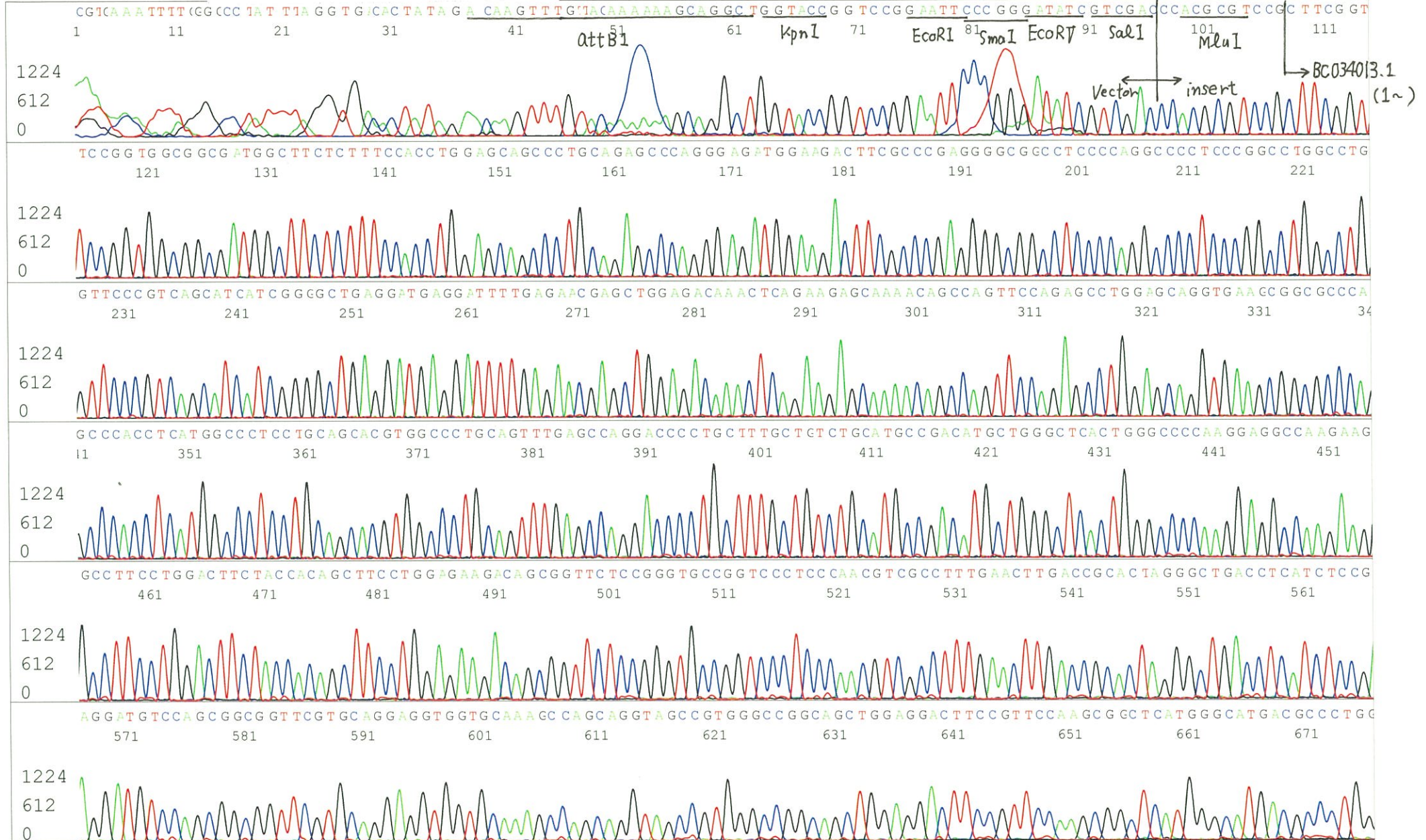
APPROVED BY :

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



S/N G:34 A:34 T:20 C:38
KB.bcp
KB 1.4.1.8 Cap:1

Primer A : Reverse2
5' GCGGATAACAATTTTCACACAGG 3'



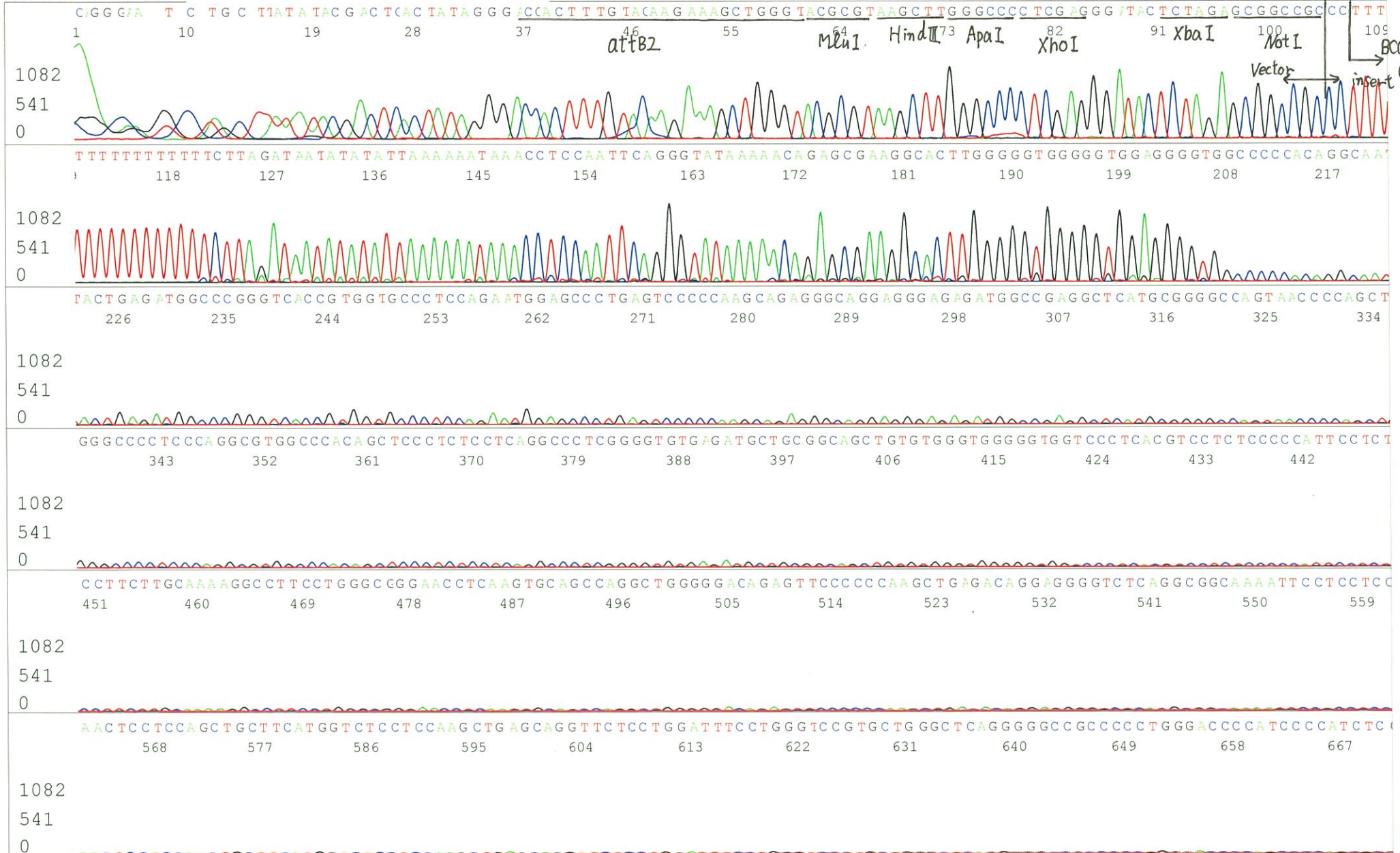
S/N G:34 A:34 T:20 C:38
KB.bcp
KB 1.4.1.8 Cap:1



S/N G:72 A:72 T:60 C:62
KB.bcp
KB 1.4.1.8 Cap:4

Primer B : M13

5' GTTTTCCCAGTCACGACGTTGTA 3'



S/N G:72 A:72 T:60 C:62
KB.bcp
KB 1.4.1.8 Cap:4

