

RIKEN Clone ID : IRAK049K11

Lot#: 7893_B3An

Vector : pCMV-SPORT6

Gene	SMAD2	
Accession No.	BC025699.1	2183 bp
	CDS	1404 bp

● Plasmid DNA purification

Date : 23.01.24

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

Date : 23.01.25

Purification : QIAGEN Miniprep kit -> dH₂O 100 ul

● Digestion by restriction enzyme/Concentration calibration

Date : 23.01.25

DNA concentration (O.D.): 390 ng/ul

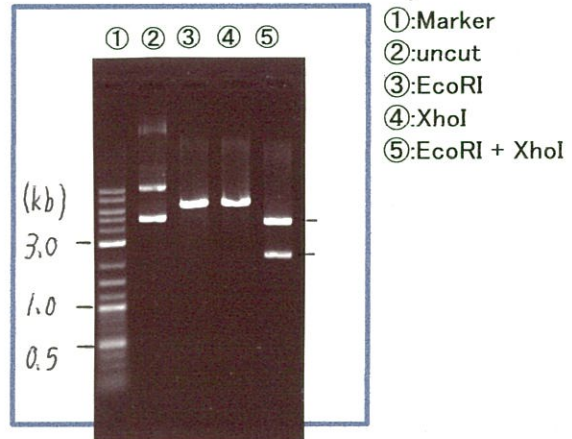
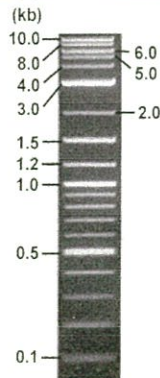
< Size of fragment expected from this clone >

DNA	0.25	ul
Enzyme (EcoRI + XhoI)	0.5 + 0.5	ul
Buffer H	1	ul
dH ₂ O	7.75	ul
Total	10	ul

EcoRI	6.5	kb
XhoI	6.5	kb
EcoRI + XhoI	4.3kb (Vector)	2.2 kb

Electrophoresis : 1% agarose gel, 1x TAE Buffer

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



● Adjust plasmid DNA solution to 25 ng/ul

Date : 23.01.26

DNA (<u>390</u> ng/ul)	<u>88.0</u>	ul
10x TE	<u>137.2</u>	ul
dH ₂ O	<u>1147.6</u>	ul
Total	<u>1372.8</u>	ul

● Confirmation of the insertion sequence

Date : 23.01.26

Primer A	Reverse2
Primer B	M13
Primer C	poly(A) region primer #0
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>

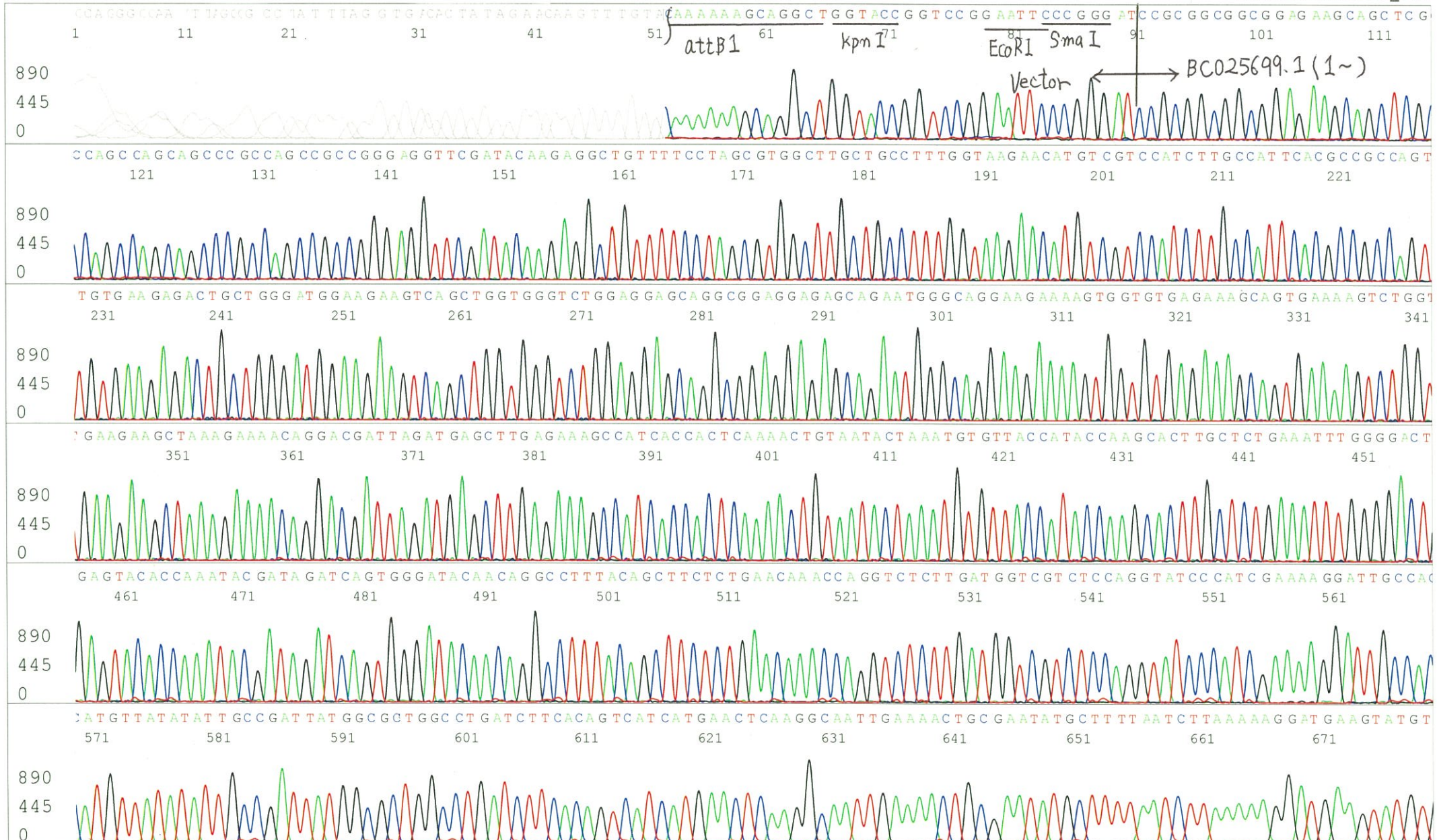


S/N G:98 A:178 T:82 C:112
KB.bcp
KB 1.4.1.8 Cap:2

Primer A : Reverse2

5' GCGGATAACAATTTTCACACAGG 3'

Gray line indicates quality value
(QV) < 40.



S/N G:70 A:109 T:104 C:90 Primer B : M13

7893_IRAK049K11_B3An_M13(-40)

Jan 26,2023 09:51AM, JST

KB.bcp

KB_3500_POP7_BDTv3.mob

Gray line indicates quality value

Jan 26,2023 10:12AM, JST

KB 1.4.1.8 Cap:5

5' GTTTTCCAGTCACGACGTTGTA 3'

Pts 1584 to 12313 PK1 Loc:1567

(QV) < 40.

Spacing:13.64 Pts/Panel1350

Version 6.0 HiSQV Bases: 174

Plate Name: 20230126_GNP



S/N G:116 A:240 T:160 C: Primer C : Poly(A) region primer #0

KB.bcp

KB 1.4.1.8 Cap:8

5' TTTTTTTTTTTTTTTTTTTTTTVNN 3'

7893_IRAK049K11_B3An_GNPmixture

KB_3500_POP7_BDTv3.mob

Pts 1582 to 12235 PK1 Loc:1565

Version 6.0 HiSQV Bases: 748

Gray line indicates quality value (QV) < 40.

