

RIKEN Clone ID : IRAK027E07

Lot#: 7893_A7Au

Vector : pCMV-SPORT6

| | | |
|---------------|------------|---------|
| Gene | BMP4 | |
| Accession No. | BC020546.2 | 1573 bp |
| | CDS | 1227 bp |

● Plasmid DNA purification

Date : 170130

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

Date : 170131

Purification : QIAGEN Miniprep kit -> dH₂O 100 ul

● Digestion by restriction enzyme/Concentration calibration

Date : 170131

DNA concentration (O.D.): 175 ng/ul

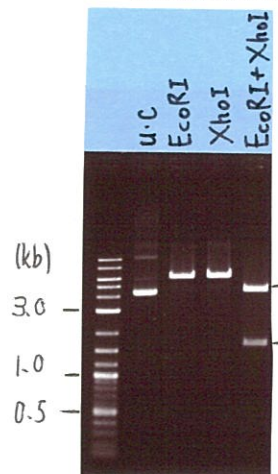
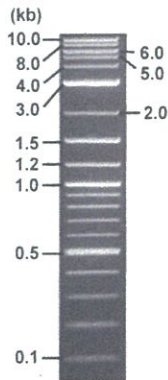
< Size of fragment expected from this clone >

| | | |
|-----------------------|-----------|----|
| DNA | 0.5 | ul |
| Enzyme (EcoRI + XhoI) | 0.5 + 0.5 | ul |
| Buffer H | 1 | ul |
| dH ₂ O | 7.5 | ul |
| Total | 10 | ul |

| | | |
|--------------|----------------|--------|
| EcoRI | 5.9 | kb |
| XhoI | 5.9 | kb |
| EcoRI + XhoI | 4.3kb (Vector) | 1.6 kb |

Erectrophoresis : 1% agarose gel, 1x TAE Buffer

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



● Confirmation of the insertion sequence

Date : 170203

● Adjust plasmid DNA solution to 25 ng/ul

Date : 170203

| | | |
|-------------------------|-------|----|
| DNA (<u>175</u> ng/ul) | 85.0 | ul |
| 10x TE | 59.5 | ul |
| dH ₂ O | 450.5 | ul |
| Total | 595.0 | ul |

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

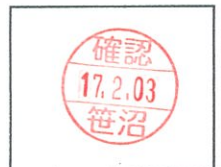
● Shipping

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

Conc. : ng/ul, Volume : ul

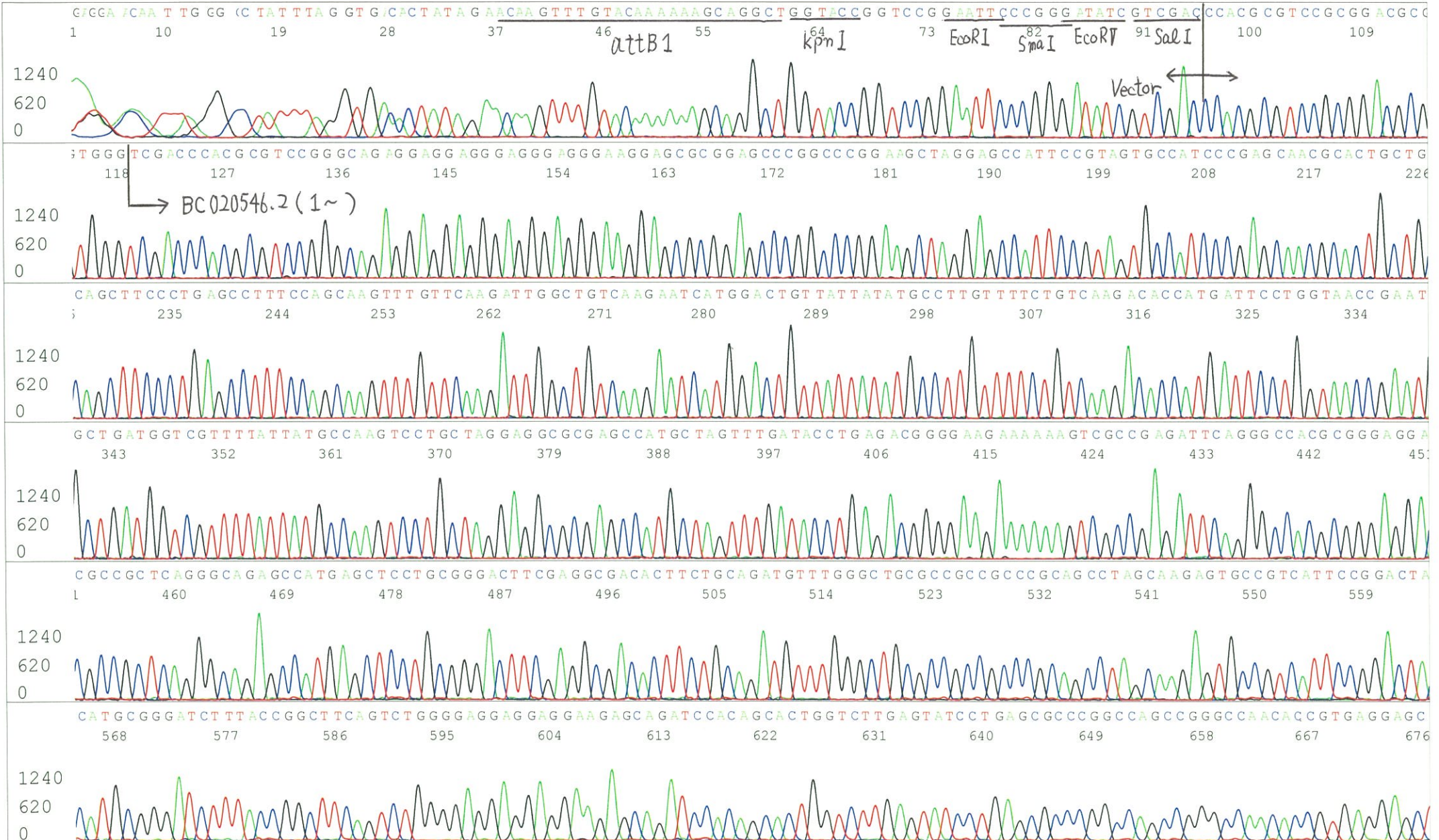
APPROVED BY :

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



S/N G:67 A:85 T:66 C:103
KB.bcp
KB 1.4.1.8 Cap:1

Primer A : Reverse2
5' GCGGATAACAATTTTCACACAGG 3'



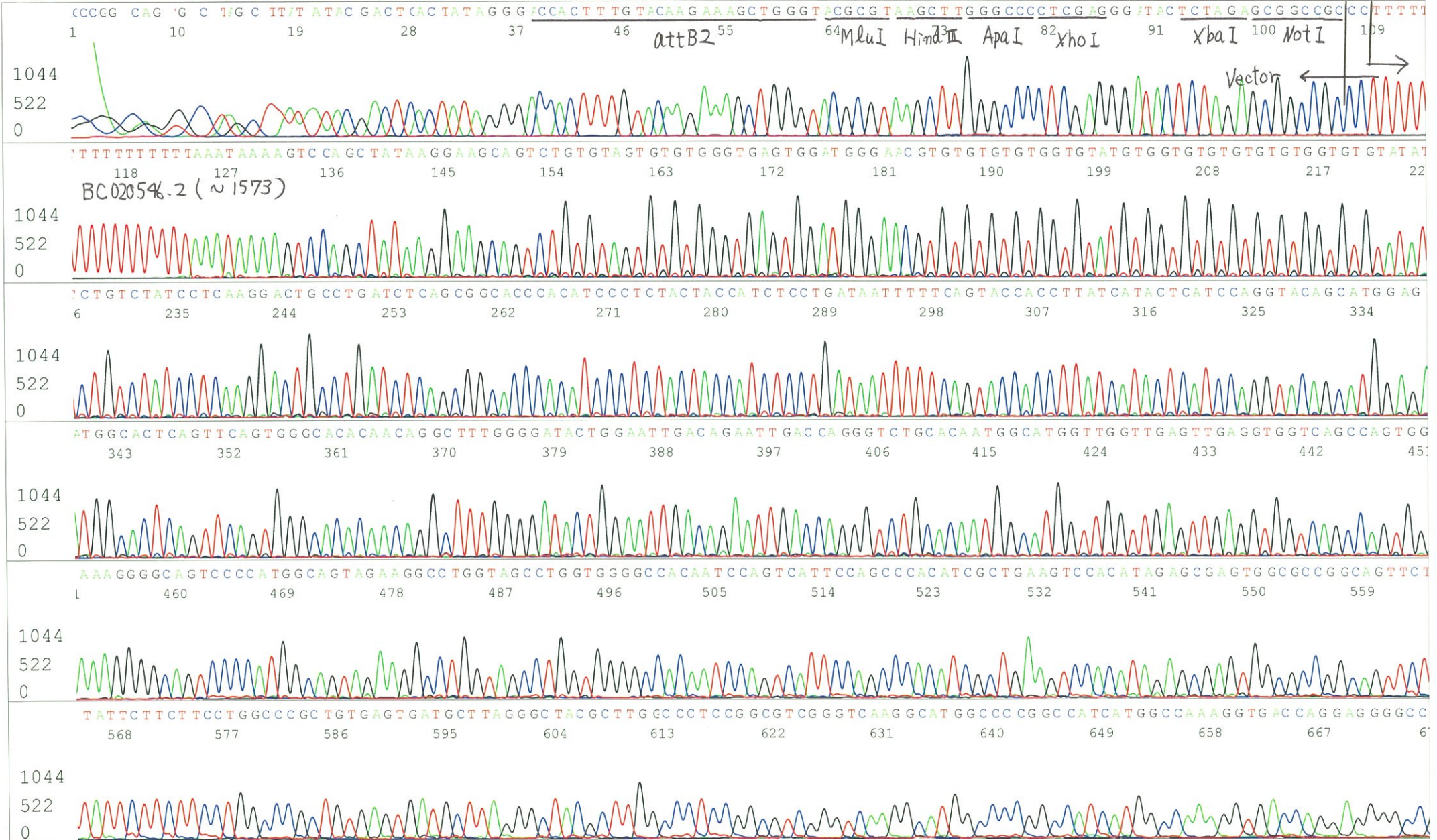
S/N G:67 A:85 T:66 C:103
KB.bcp
KB 1.4.1.8 Cap:1



S/N G:203 A:162 T:117 C:138
KB.bcp
KB 1.4.1.8 Cap:1

Primer B : M13

5' GTTTTCCCAGTCACGACGTTGTA 3'



S/N G:203 A:162 T:117 C:138
KB.bcp
KB 1.4.1.8 Cap:1

