

RIKEN Clone ID : W01A041M20

Vector : pENTR-TOPO

| | | |
|------------------------|------------|---------|
| Gene | GPHN | |
| Accession ID of Origin | BC030016.2 | 3199 bp |
| | CDS | 2310 bp |

● Plasmid DNA purification

Date : 2020.06.09

Culture : LB (25 ug/ml Kanamycin) 5 ml -> at 37 deg C over night

Date : 2020.06.19

Purification : QIAGEN Miniprep kit -> dH₂O 100 ul

● Digestion by restriction enzyme/Concentration calibration

Date : 2020.06.19

DNA concentration (O.D.): 242 ng/ul

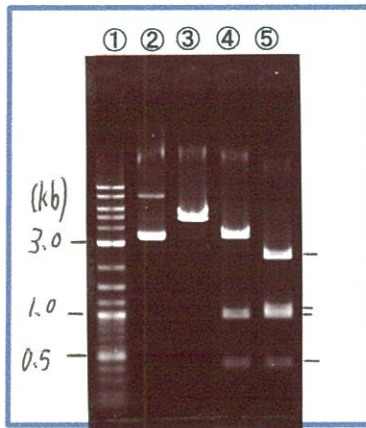
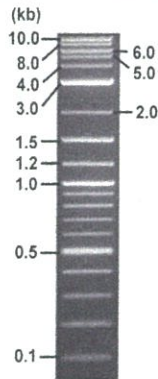
< Size of fragment expected from this clone >

| | |
|-----------------------|--------------|
| DNA | 0.7 ul |
| Enzyme (NotI + EcoRV) | 0.5 + 0.5 ul |
| Buffer H | 1 ul |
| dH ₂ O | 7.3 ul |
| Total | 10 ul |

| | |
|-----------------------------|------------------|
| NotI | 5.0 kb |
| EcoRV | 3.6, 1.0, 0.4 kb |
| NotI + EcoRV 2.5kb (Vector) | 1.1, 1.0, 0.4 kb |

Erectrophoresis : 1% agarose gel, 1x TAE Buffer

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



①:Marker
②:uncut
③:NotI
④:EcoRV
⑤:NotI+EcoRV

● Adjust plasmid DNA solution to 25 ng/ul

Date : 2020.07.08

| | |
|-------------------|----------|
| DNA (242 ng/ul) | 81.0 ul |
| 10x TE | 78.0 ul |
| dH ₂ O | 624.6 ul |
| Total | 784.0 ul |

● Confirmation of the insertion sequence

Date : 2020.06.25

| | |
|----------------------------|---|
| Primer A | M13 |
| Primer B | T7 long |
| 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~~



S/N G:187 A:268 T:198 C:259

Primer A : M13

W01A041M20_B0F4_M13(-40)

KB_3500_POP7_BDTv3.mob

Gray line indicates quality value

Jun 25,2020 12:30PM, JST

Jun 25,2020 12:47PM, JST

KB.bcp

Pts 1714 to 8467 Pk1 Loc:1682

Spacing:10.15 Pts/Panel1350

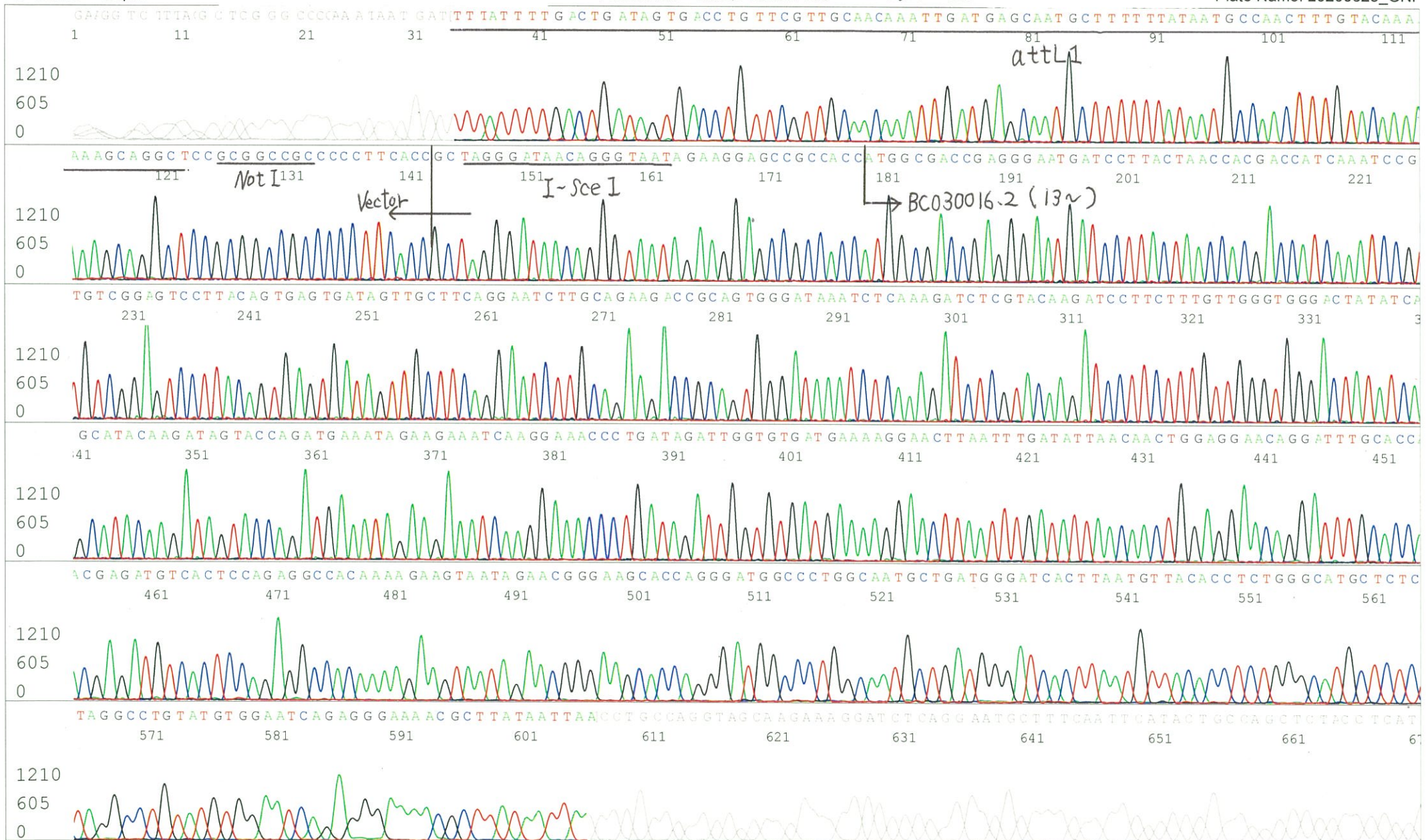
KB 1.4.1.8 Cap:3

5' GTTTTCCCAGTCACGACGTTGTA 3'

Version 6.0 HiSQV Bases: 670

(QV) < 40.

Plate Name: 20200625_GNP



S/N G:255 A:234 T:222 C:317

Primer B : T7 long

W01A041M20_B0F4_T7long

Jun 25,2020 12:30PM, JST

KB.bcp

KB_3500_POP7_BDTv3.mob

Gray line indicates quality value

Jun 25,2020 12:47PM, JST

KB 1.4.1.8 Cap:6

5' CGCCAAGCTCTAATACGACTCACTATAGGG 3'

Pts 1700 to 8372 Pk1 Loc:1668

(QV) < 40.

Spacing:10.16 Pts/Panel1350

Plate Name: 20200625_GNP

