NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Research Center

Lot# : 7677_B2Cs

## RIKEN Clone ID : RBd22H05

Vector : pGCAP10

| Gene | RAD54L | |
|---|---|---|
| RefSeq_mRNA | NM_003579.4 | 3078 bp |

### ● Plasmid DNA purification

Date : 22.03.28 Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C O/N

Date : 22.03.29 Purification : QIAGEN Miniprep kit -> $dH_2O$ 100 ul

### ● Digestion by restriction enzyme/Concentrarion calibration

Date : 22.03.29

DNA concentration (O.D.): 276 ng/ul

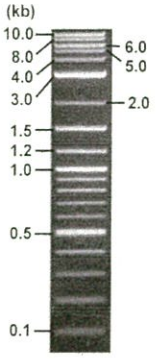
| | |
|---|---|
| DNA | 0.4 ul |
| Enzyme (BamHI ) | 1 ul |
| Buffer H | 1 ul |
| $dH_2O$ | 7.6 ul |
| Total | 10 ul |

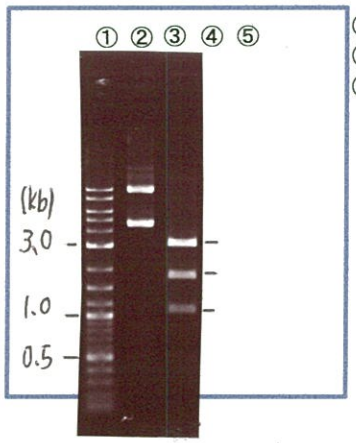
< Size of fragment expected from this clone >

BamHI 3.1kb (vector), 1.8, 1.1 kb (unsure)

Erectrophoresis : 1% agarose gel, 1x TAE Buffer

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




①:Marker
②:uncut
③:BamHI

### ● Confirmation of the insertion sequence

Date :22.05.18

| | |
|---|---|
| Primer A | pGCAP-F |
| Primer B | pGCAP-R |
| Primer C | Poly(A) region |
| List of Sequencing Primers | http://dna.brc.riken.jp/en/NRCDhum2en.html |

### ● Adjust plasmid DNA solution to 25 ng/ul

Date : 22.05.26

| | |
|---|---|
| DNA ( 276 ng/ul) | 78.0 ul |
| 10x TE | 86.1 ul |
| $dH_2O$ | 697.0 ul |
| Total | 861.1 ul |

### ● Shipping

☑ Conc. : 25 ng/μl, Volume : 40 μl

☐ ~~Conc. : ng/μl, Volume : μl~~

APPROVED BY : 確認 22.5.18 笹沼

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

Applied Biosystems

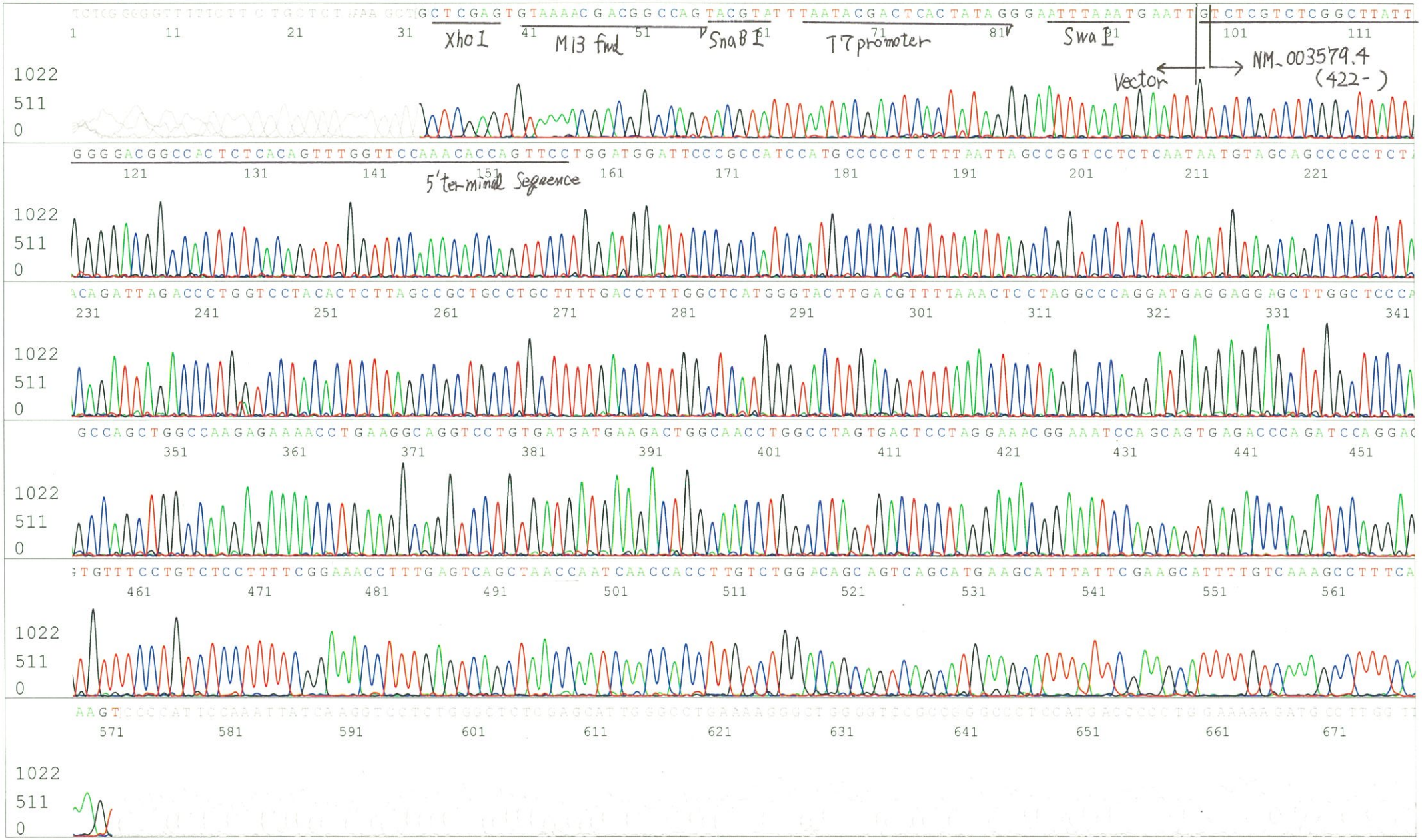
S/N G:23 A:31 T:20 C:31
KB.bcp
KB 1.4.1.8 Cap:7

Primer A : pGCAP-F
5' CTCAGTGGATGTTGCCTTTAC 3'

7677_RBd22H05_B2Cs_pGCAP_F_G01_07_ABI08
7677_RBd22H05_B2Cs_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1711 to 8704 Pk1 Loc:1679
Version 6.0 HiSQV Bases: 664

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Mar 30,2022 09:43AM, JST
Mar 30,2022 10:00AM, JST
Spacing:11.11 Pts/Panel1350
Plate Name: 20220330_KatoClone



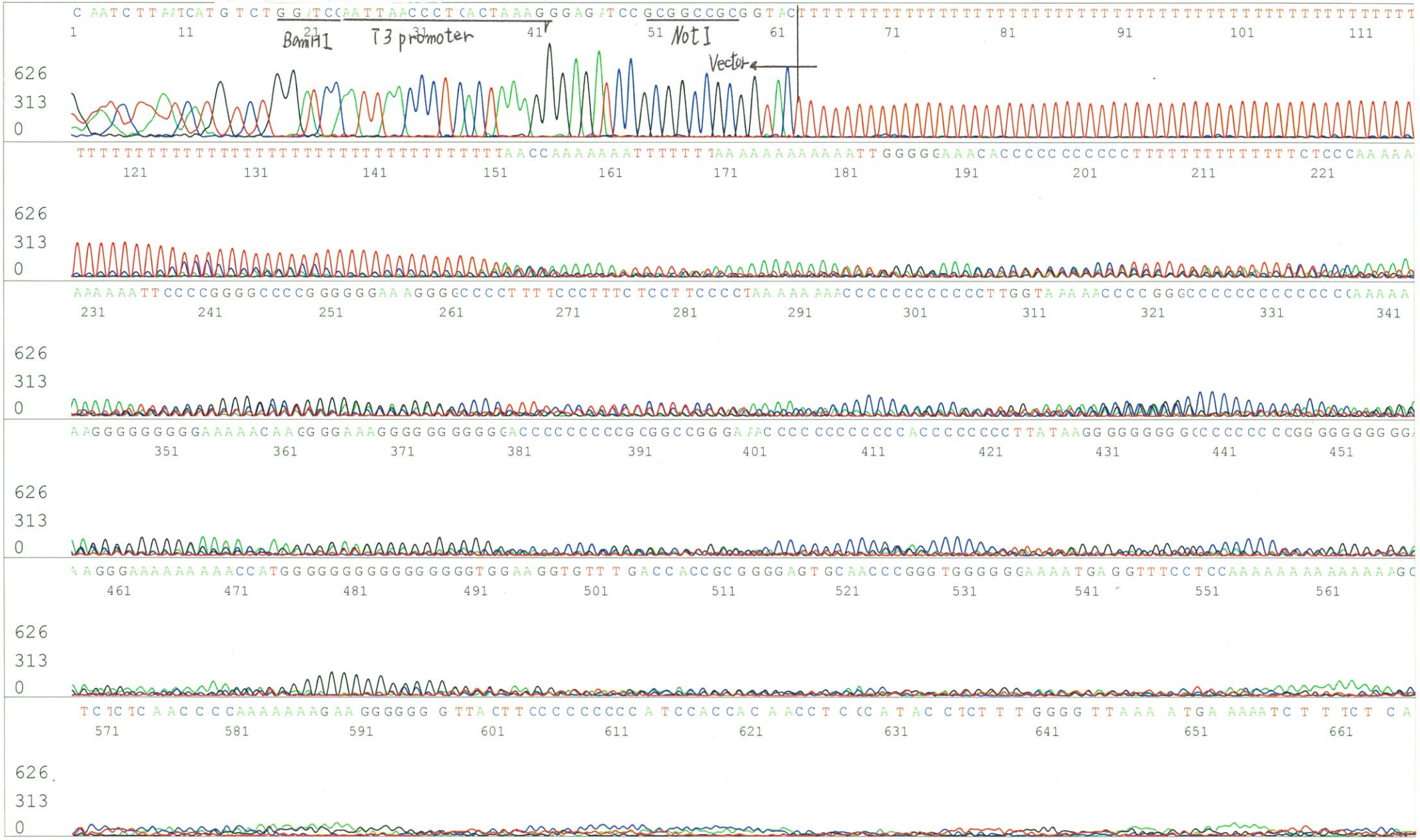
Applied Biosystems

S/N G:14 A:20 T:19 C:20
KB.bcp
KB 1.4.1.8 Cap:8

Primer B : pGCAP-R
5' GCATTCTAGTTGTGGTTTGTCC 3'

7677_RBd22H05_B2Cs_pGCAP_R_H01_08_ABI08
7677_RBd22H05_B2Cs_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1725 to 9000 Pk1 Loc:1693
Version 6.0 HiSQV Bases: 139

Inst Model/Name 3500/3500 Instrument
Mar 30,2022 09:43AM, JST
Mar 30,2022 10:00AM, JST
Spacing:11.21 Pts/Panel1350
Plate Name: 20220330_KatoClone



Applied Biosystems

S/N G:222 A:156 T:95 C:214
KB.bcp
KB 1.4.1.8 Cap:3

Primer C : Poly(A) region primer #0
5' TTTTTTTTTTTTTTTTTTTTTVNN 3'

7677_RBd22H05_B2Cs_GNPmixture_A03_03_ABI24
7677_RBd22H05_B2Cs_GNPmixture
KB_3500_POP7_BDTv3.mob
Pts 1796 to 8708 Pk1 Loc:1764
Version 6.0 HiSQV Bases: 626

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Mar 30,2022 09:59AM, JST
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Plate Name: 20220330_KatoClone

