NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Research Center

## RIKEN Clone ID : ARi07G10

Lot# : 7675_B1E7

Vector : pGCAP10

| Gene | PCM1 | |
|---|---|---|
| RefSeq_mRNA | NM_006197.4 | 8652 bp |

### ● Plasmid DNA purification

Date : 21.05.10 Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C O/N

Date : 21.05.11 Purification : QIAGEN Miniprep kit -> $dH_2O$ 100 ul

### ● Digestion by restriction enzyme/Concentrarion calibration

Date : 21.05.11

DNA concentration (O.D.): 73 ng/ul

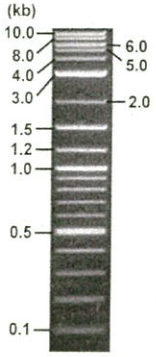
| | |
|---|---|
| DNA | 1.3 ul |
| Enzyme (BamHI ) | 1 ul |
| Buffer H | 1 ul |
| $dH_2O$ | 6.7 ul |
| Total | 10 ul |

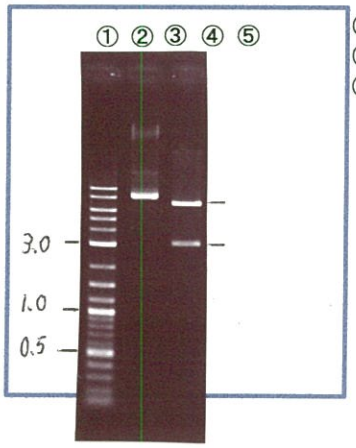
< Size of fragment expected from this clone >

BamHI 3.1kb (vector), 8.8 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 : 21.05.12

| | |
|---|---|
| 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 : 21.05.14

| | |
|---|---|
| DNA ( 73 ng/ul) | 82.0 ul |
| 10x TE | 23.9 ul |
| $dH_2O$ | 133.5 ul |
| Total | 239.4 ul |

### ● Shipping

Conc. : 25 ng/μl, Volume : 40 μl

~~Conc. : ng/μl, Volume : μl~~

APPROVED BY :



Applied Biosystems

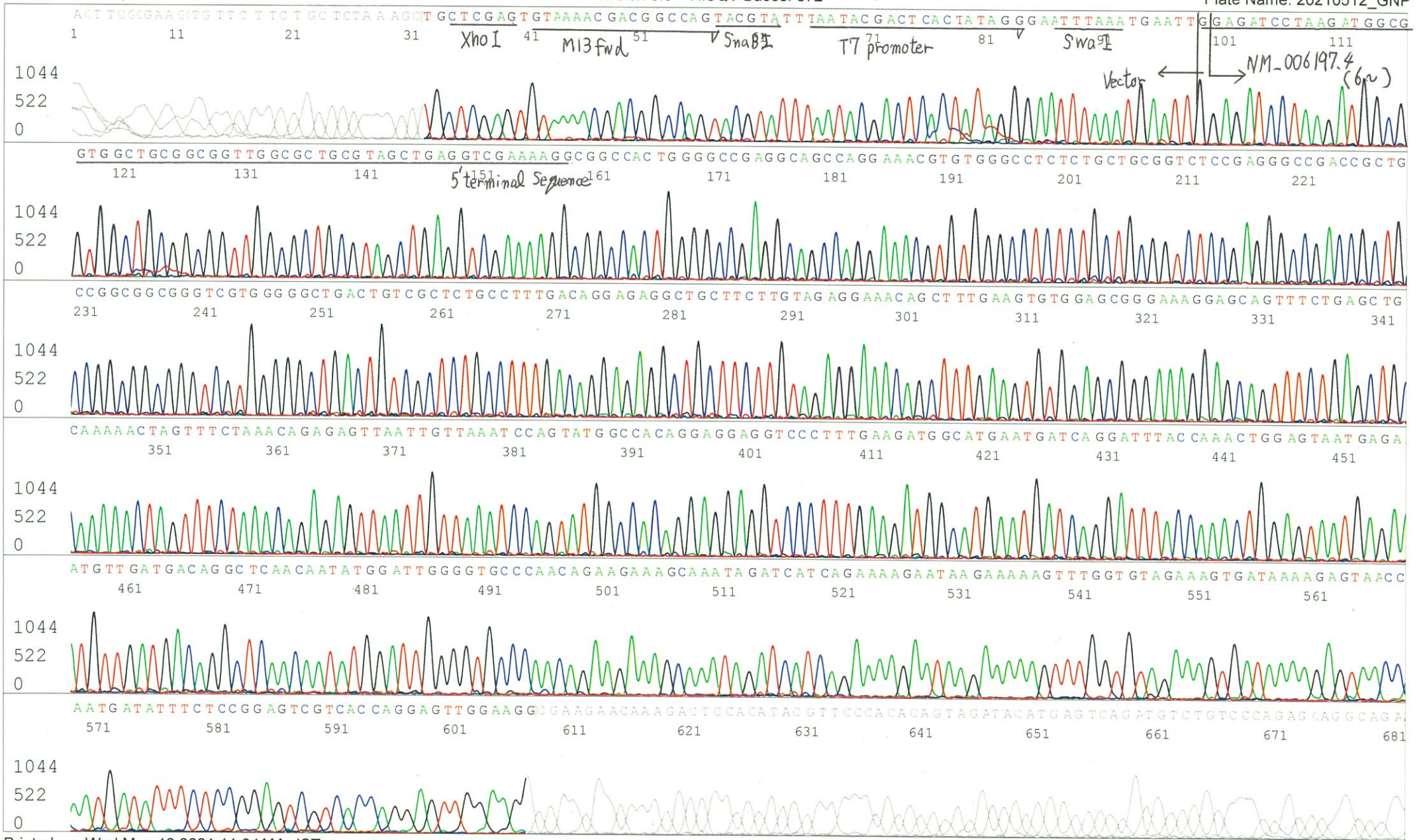
S/N G:64 A:52 T:34 C:45
KB.bcp
KB 1.4.1.8 Cap:1

Primer A : pGCAP-F
5' CTCAGTGGATGTTGCCTTTAC 3'

7675_ARi07G10_B1E7_pGCAP_F_A04_01_ABI24
7675_ARi07G10_B1E7_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1793 to 8708 Pk1 Loc:1761
Version 6.0 HiSQV Bases: 672

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
May 12,2021 10:48AM, JST
May 12,2021 11:05AM, JST
Spacing:10.73 Pts/Panel1350
Plate Name: 20210512_GNP



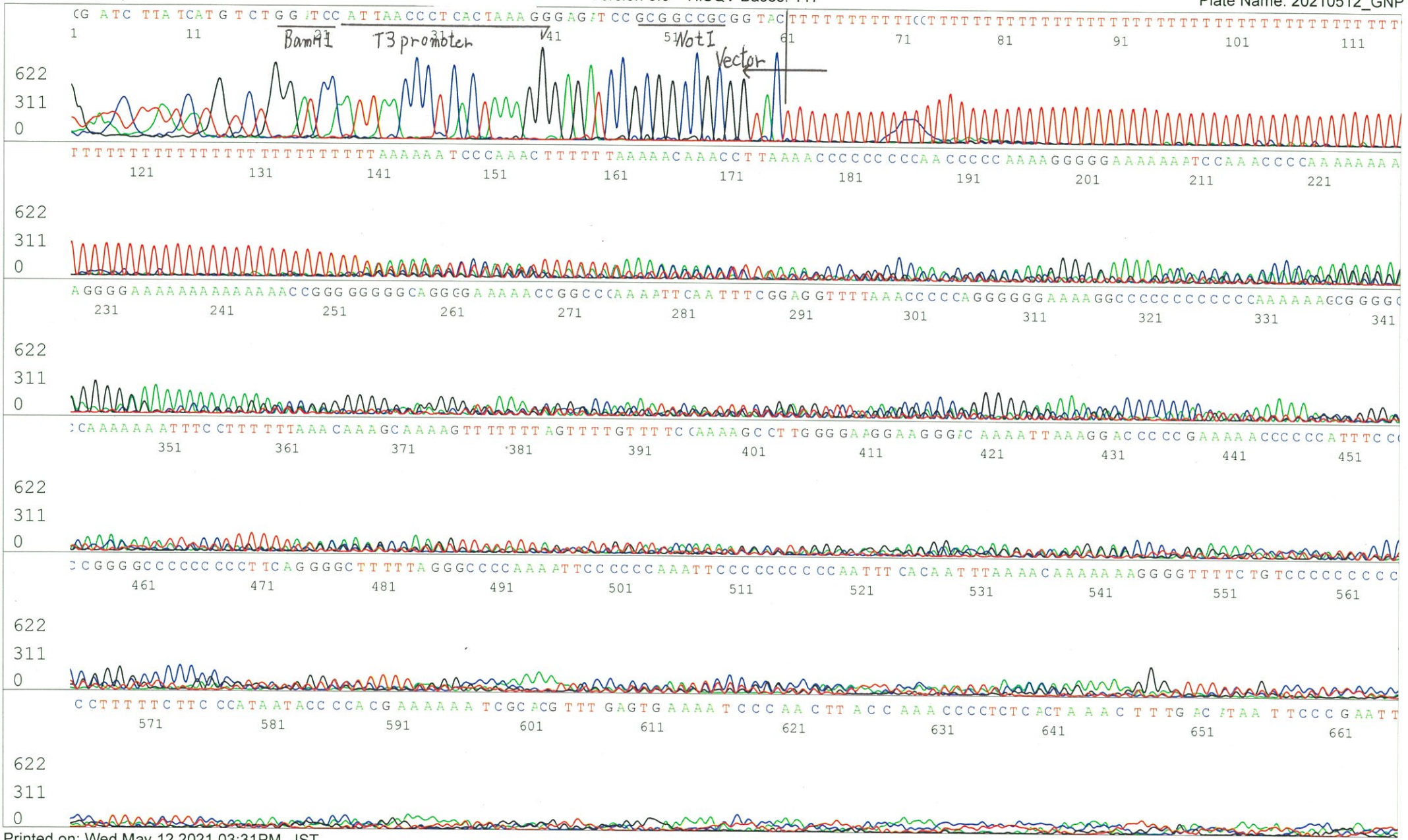
Applied Biosystems

S/N G:15 A:21 T:23 C:17
KB.bcp
KB 1.4.1.8 Cap:4

Primer B : pGCAP-R
5' GCATTCTAGTTGTGGTTTGTCC 3'

7675_ARi07G10_B1E7_pGCAP_R_B04_04_ABI24
7675_ARi07G10_B1E7_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1813 to 8708 Pk1 Loc:1781
Version 6.0 HiSQV Bases: 117

Inst Model/Name 3500/3500 Instrument
May 12,2021 10:48AM, JST
May 12,2021 11:05AM, JST
Spacing:10.92 Pts/Panel1350
Plate Name: 20210512_GNP



Applied Biosystems

S/N G:9 A:12 T:10 C:12
KB.bcp
KB 1.4.1.8 Cap:7

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

7675_ARi07G10_B1E7_GNPmixture_C04_07_ABI24
7675_ARi07G10_B1E7_GNPmixture
KB_3500_POP7_BDTv3.mob
Pts 1794 to 8708 Pk1 Loc:1762
Version 6.0 HiSQV Bases: 605

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
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Plate Name: 20210512_GNP

