NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Research Center

Lot# : 6608_B2Ei

## RIKEN_Clone_ID : RBdS105G08

Vector : pGCAP10

| Gene | GNAS | |
|---|---|---|
| RefSeq_mRNA | NM_000516.7 | 1854 bp |

### ● Plasmid DNA purification

Date : 22.05.18 Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C O/N

Date : 22.05.19 Purification : QIAGEN Miniprep kit -> $dH_2O$ 100 ul

### ● Digestion by restriction enzyme/Concentrarion calibration

Date : 22.05.19

DNA concentration (O.D.): 241 ng/ul

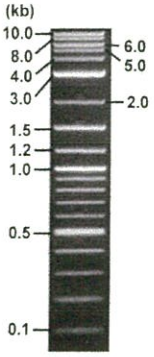
| | |
|---|---|
| DNA | 0.4 ul |
| Enzyme (BamHI ) | 1 ul |
| Buffer H | 1 ul |
| $dH_2O$ | 7.6 ul |
| Total | 10 ul |

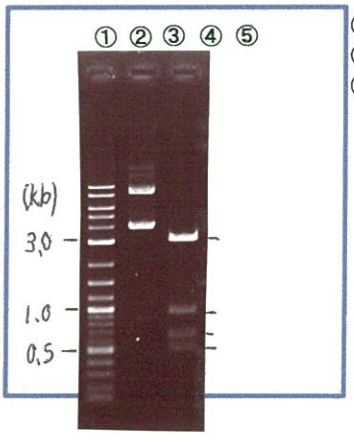
< Size of fragment expected from this clone >

BamHI 3.1kb (vector), 0.9, 0.6, 0.5 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 : 22.06.08

| | |
|---|---|
| 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 : 22.06.10

| | |
|---|---|
| DNA ( 241 ng/ul) | 80.0 ul |
| 10x TE | 77.1 ul |
| $dH_2O$ | 614.1 ul |
| Total | 771.2 ul |

### ● Shipping

☑ Conc. : 25 ng/μl, Volume : 40 μl

☐ Conc. : ___ ng/μl, Volume : ___ μl

APPROVED BY :

確認 22.6.08 笹沼

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

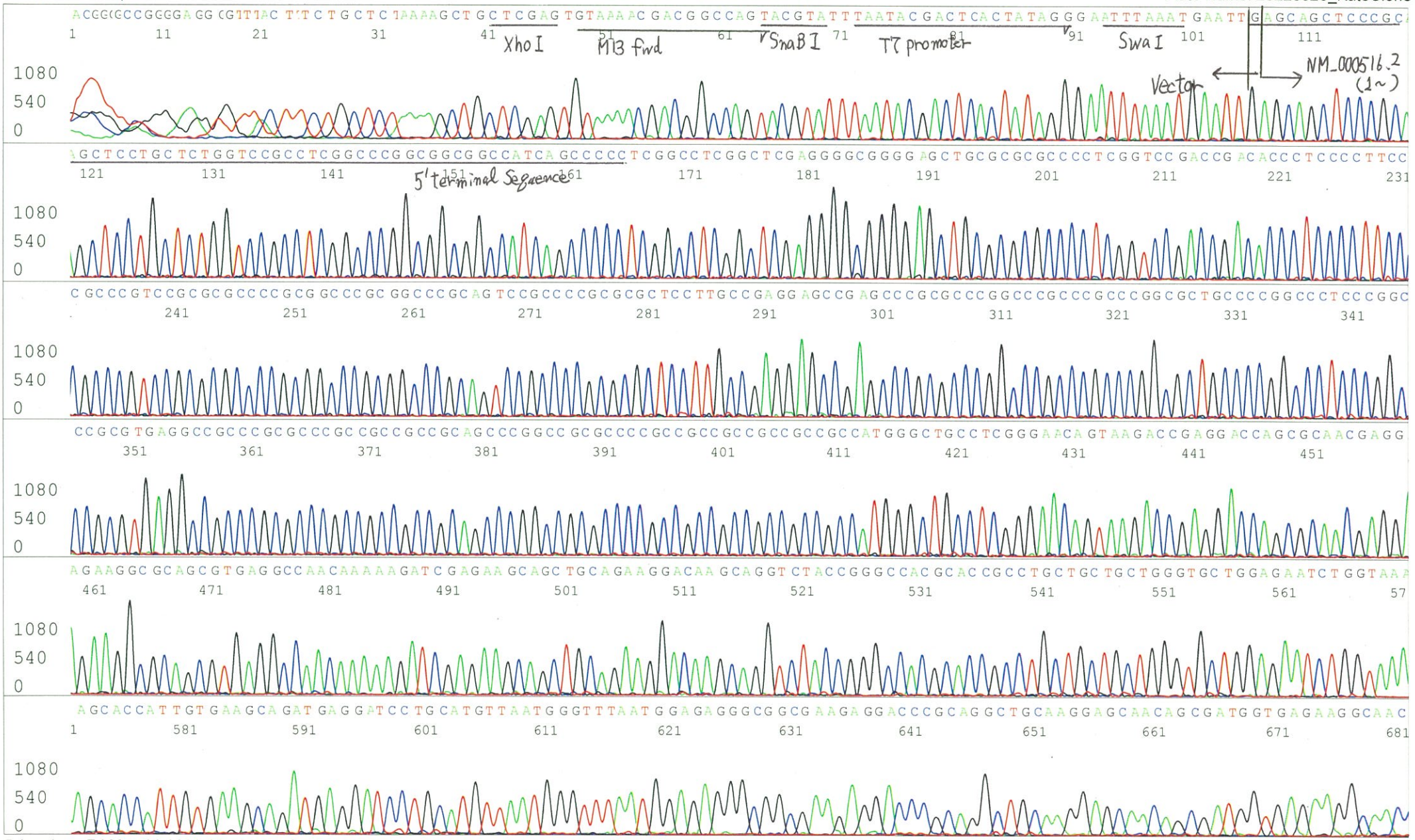
Applied Biosystems

S/N G:48 A:45 T:25 C:66
KB.bcp
KB 1.4.1.8 Cap:4

Primer A : pGCAP-F
5' CTCAGTGGATGTTGCCTTTAC 3'

6608_RBdS105G08_B2Ei_pGCAP_F_D01_04_ABI08
6608_RBdS105G08_B2Ei_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1467 to 11846 Pk1 Loc:1450
Version 6.0 HiSQV Bases: 791

Inst Model/Name 3500/3500 Instrument
May 20,2022 09:58AM, JST
May 20,2022 10:21AM, JST
Spacing:13.15 Pts/Panel1350
Plate Name: 20220520_KatoClone



Applied Biosystems

S/N G:7 A:8 T:8 C:6
KB.bcp
KB 1.4.1.8 Cap:5

Primer B : pGCAP-R
5' GCATTCTAGTTGTGGTTTGTCC 3'

6608_RBdS105G08_B2Ei_pGCAP_R_E01_05_ABI08
6608_RBdS105G08_B2Ei_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1472 to 11970 Pk1 Loc:1455
Version 6.0 HiSQV Bases: 87

Inst Model/Name 3500/3500 Instrument
May 20,2022 09:58AM, JST
May 20,2022 10:21AM, JST
Spacing:13.38 Pts/Panel1350
Plate Name: 20220520_KatoClone

