NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Research Center

## RIKEN Clone ID : ARe49A08

Lot# : 7672_B0JI

Vector : pKA1U5

| Gene | SLC2A1 | |
|---|---|---|
| RefSeq_mRNA | NM_006516.4 | 3384 bp |

### ● Plasmid DNA purification

Date : 20.10.21 Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C O/N

Date : 20.10.22 Purification : QIAGEN Miniprep kit -> $dH_2O$ 100 ul

### ● Digestion by restriction enzyme/Concentrarion calibration

Date : 20.10.22

DNA concentration (O.D.): 316 ng/ul

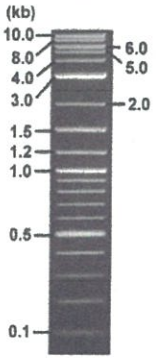
| | |
|---|---|
| DNA | 0.3 ul |
| Enzyme (BamHI ) | 1 ul |
| Buffer H | 1 ul |
| $dH_2O$ | 7.7 ul |
| Total | 10 ul |

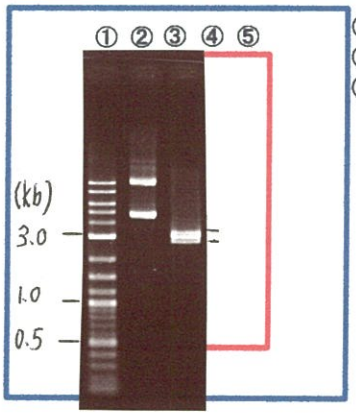
< Size of fragment expected from this clone >

BamHI 3.1kb (vector), 2.9, 0.7 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 : 21.02.09

| | |
|---|---|
| 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 : 21.03.30

| | |
|---|---|
| DNA ( 316 ng/ul) | 80.0 ul |
| 10x TE | 101.1 ul |
| $dH_2O$ | 830.1 ul |
| Total | 1011.2 ul |

### ● Shipping

☑ Conc. : 25 ng/μl, Volume : 40 μl

☐ ~~Conc. : ng/μl, Volume : μl~~

APPROVED BY :

21.2.09

Applied Biosystems

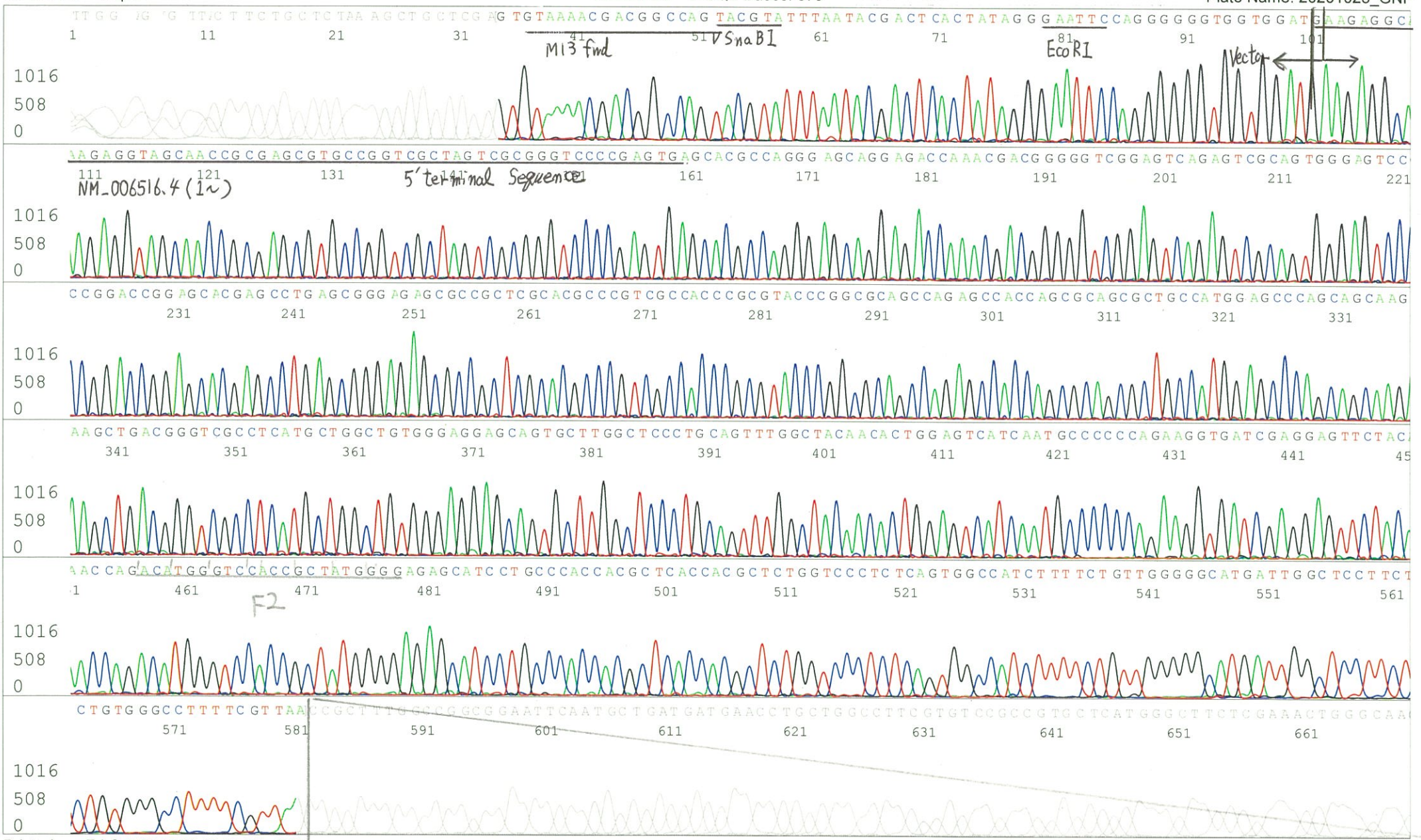
S/N G:285 A:298 T:151 C:293
KB.bcp
KB 1.4.1.8 Cap:2

Primer A : pGCAP-F
5' CTCAGTGGATGTTGCCTTTAC 3'

7672_ARe49A08_B0JI_pGCAP_F_A02_02_ABI24
7672_ARe49A08_B0JI_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1784 to 8707 Pk1 Loc:1752
Version 6.0 HiSQV Bases: 679

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Oct 23,2020 09:53AM, JST
Oct 23,2020 10:08AM, JST
Spacing:10.42 Pts/Panel1350
Plate Name: 20201023_GNP



Applied Biosystems

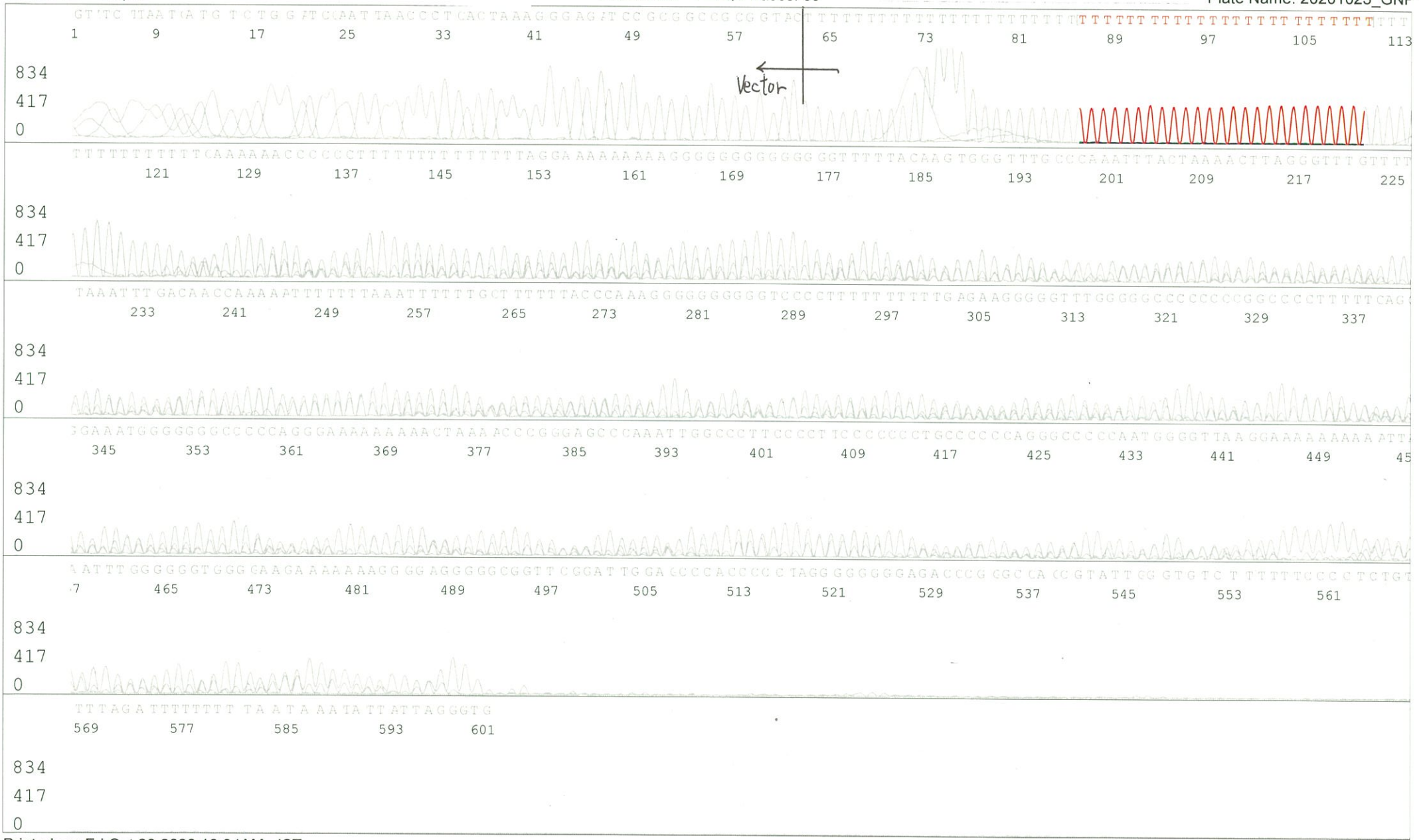
S/N G:48 A:57 T:59 C:49
KB.bcp
KB 1.4.1.8 Cap:5

Primer B : pGCAP-R
5' GCATTCTAGTTGTGGTTTGTCC 3'

7672_ARe49A08_B0JI_pGCAP_R_B02_05_ABI24
7672_ARe49A08_B0JI_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1797 to 8707 Pk1 Loc:1765
Version 6.0 HiSQV Bases: 89

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Oct 23,2020 09:53AM, JST
Oct 23,2020 10:08AM, JST
Spacing:10.55 Pts/Panel1350
Plate Name: 20201023_GNP



Applied Biosystems

S/N G:18 A:20 T:13 C:14
KB.bcp
KB 1.4.1.8 Cap:2

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

7672_ARe49A08_B0JI_GNPmixture_B01_02_ABI08
7672_ARe49A08_B0JI_GNPmixture
KB_3500_POP7_BDTv3.mob
Pts 1851 to 8705 Pk1 Loc:1819
Version 6.0 HiSQV Bases: 508

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Oct 27,2020 09:55AM, JST
Oct 27,2020 10:10AM, JST
Spacing:10.48 Pts/Panel1350
Plate Name: 20201027_GNP

