NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Research Center

RIKEN Clone ID : RBd85B01
Vector : pGCAP10

Lot# : 7677_B0Jc

Gene	PIN4	
RefSeq_mRNA	NM_006223.4	1239 bp

● Plasmid DNA purification

Date : 20.10.14 Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C O/N

Date : 20.10.15 Purification : QIAGEN Miniprep kit -> dH_2O 100 ul

● Digestion by restriction enzyme/Concentrarion calibration

Date : 20.10.15

DNA concentration (O.D.): 364 ng/ul

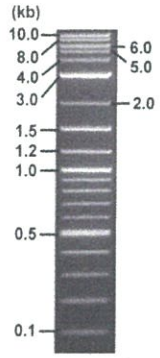
DNA	0.3 ul
Enzyme (BamHI)	1 ul
Buffer H	1 ul
dH_2O	7.7 ul
Total	10 ul

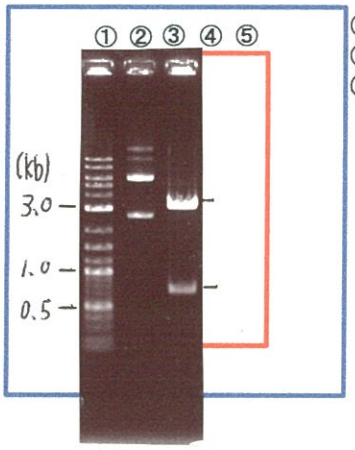
< Size of fragment expected from this clone >

BamHI 3.1kb (vector), 1.4 kb (unsure)

Erectrophoresis : 1% agarose gel, 1x TAE Buffer

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





● Confirmation of the insertion sequence

Date : 20.10.16

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 : 20.10.21

DNA (364 ng/ul)	90.0 ul
10x TE	131.0 ul
dH_2O	1089.4 ul
Total	1310.4 ul

● Shipping

☑ Conc. : 25 ng/μl, Volume : 40 μl

☐ ~~Conc. : ng/μl, Volume : μl~~

APPROVED BY :

確認 20.10.19 笹沼

Applied Biosystems

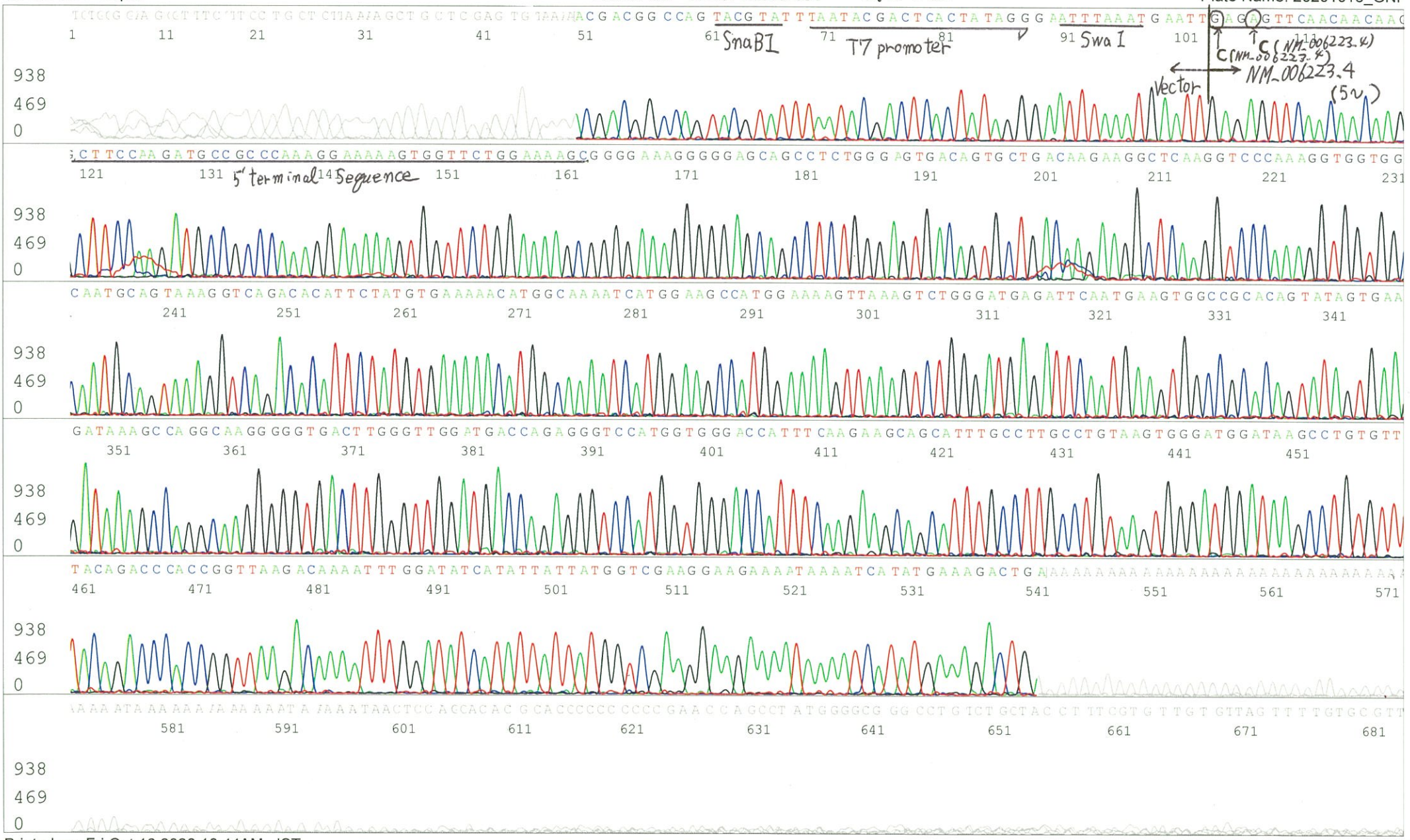
S/N G:27 A:32 T:18 C:19
KB.bcp
KB 1.4.1.8 Cap:8

Primer A : pGCAP-F
5' CTCAGTGGATGTTGCCTTTAC 3'

7677_RBd85B01_B0Jc_pGCAP_F_C02_08_ABI24
7677_RBd85B01_B0Jc_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1757 to 8706 Pk1 Loc:1725
Version 6.0 HiSQV Bases: 531

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Oct 16,2020 09:52AM, JST
Oct 16,2020 10:08AM, JST
Spacing:10.46 Pts/Panel1350
Plate Name: 20201016_GNP



Applied Biosystems

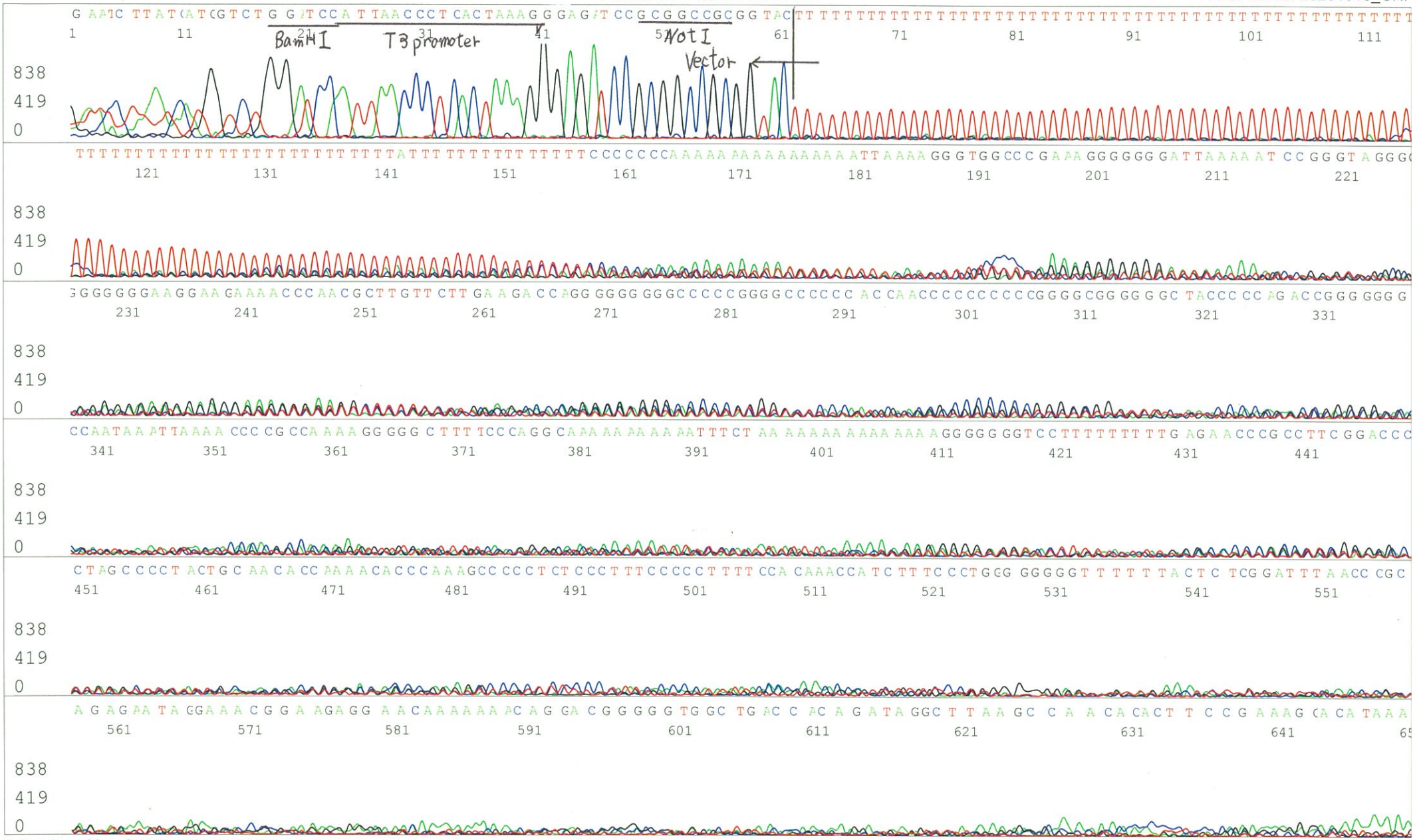
S/N G:10 A:10 T:13 C:10
KB.bcp
KB 1.4.1.8 Cap:11

Primer B : pGCAP-R

5' GCATTCTAGTTGTGGTTTGTCC 3'

7677_RBd85B01_B0Jc_pGCAP_R_D02_11_ABI24
7677_RBd85B01_B0Jc_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1759 to 8706 Pk1 Loc:1727
Version 6.0 HiSQV Bases: 86

Inst Model/Name 3500/3500 Instrument
Oct 16,2020 09:52AM, JST
Oct 16,2020 10:08AM, JST
Spacing:10.77 Pts/Panel1350
Plate Name: 20201016_GNP



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S/N G:13 A:14 T:11 C:14
KB.bcp
KB 1.4.1.8 Cap:14

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

7677_RBd85B01_B0Jc_GNP Mixture_E02_14_ABI24
7677_RBd85B01_B0Jc_GNP Mixture
KB_3500_POP7_BDTv3.mob
Pts 1749 to 8706 Pk1 Loc:1717
Version 6.0 HiSQV Bases: 633

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Oct 16,2020 09:52AM, JST
Oct 16,2020 10:08AM, JST
Spacing:10.61 Pts/Panel1350
Plate Name: 20201016_GNP

