NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Research Center

RIKEN_Clone_ID : RBb70B04

Lot# : 7676_B1A4

Vector : pGCAP1

Gene	FLOT2	
RefSeq_mRNA	NM_004475.3	2668 bp

● Plasmid DNA purification

Date : 21.01.12 Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C O/N

Date : 21.01.13 Purification : QIAGEN Miniprep kit -> dH_2O 100 ul

● Digestion by restriction enzyme/Concentrarion calibration

Date : 21.01.13

DNA concentration (O.D.): 304 ng/ul

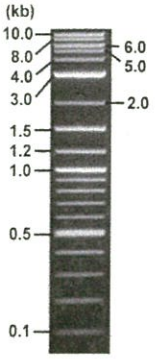
< Size of fragment expected from this clone >

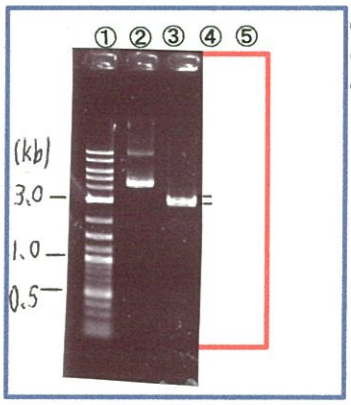
DNA	0.3 ul
Enzyme (BamHI)	1 ul
Buffer H	1 ul
dH_2O	7.7 ul
Total	10 ul

BamHI 3.1kb (vector), 2.9 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 : 21.01.18

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 : 21.01.19

DNA (304 ng/ul)	92.0	ul
10x TE	111.8	ul
dH_2O	914.9	ul
Total	1118.7	ul

● Shipping

☑ Conc. : 25 ng/μl, Volume : 40 μl

☐ ~~Conc. : ng/μl, Volume : μl~~

APPROVED BY : 確認 21.1.18

Applied Biosystems

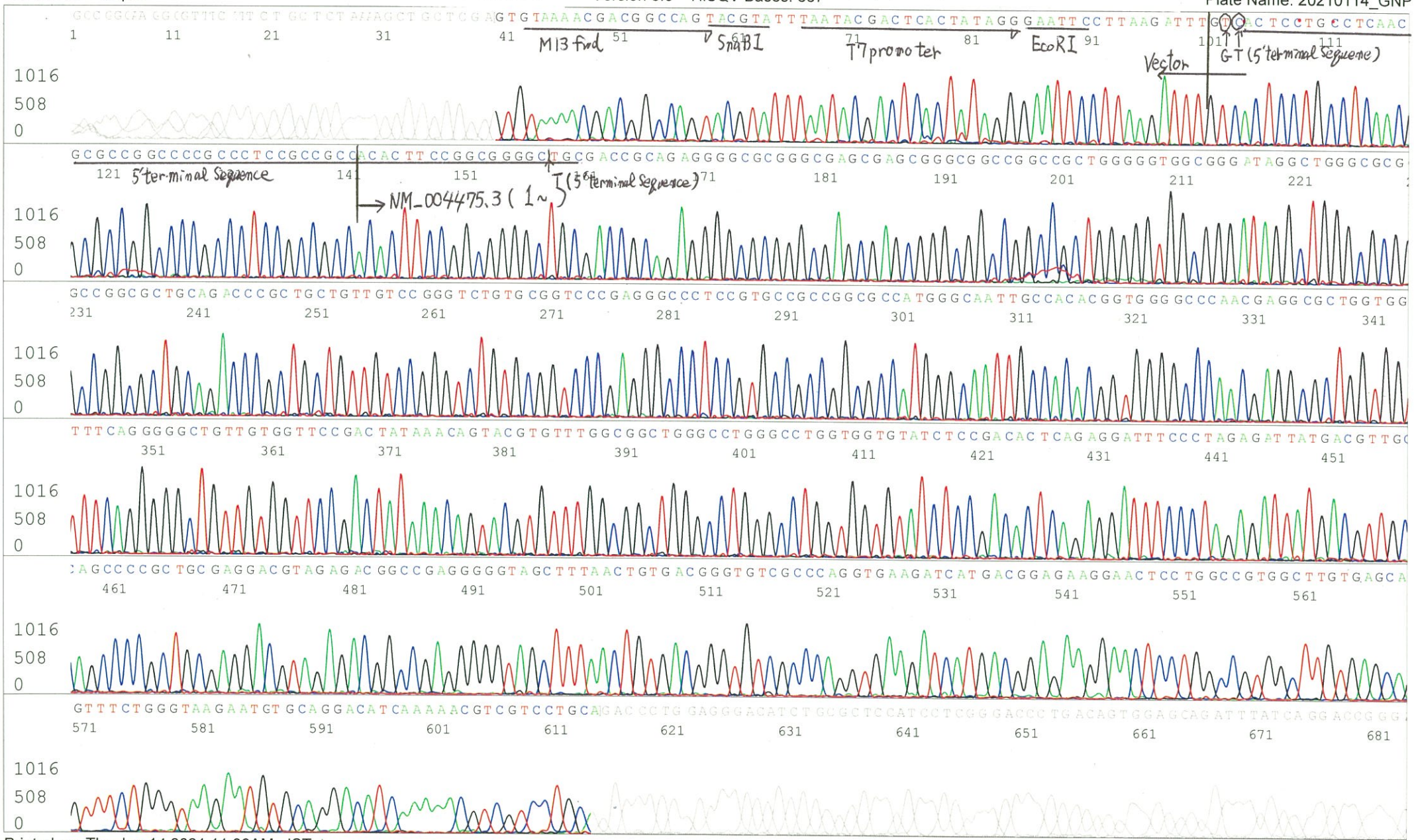
S/N G:62 A:48 T:33 C:55
KB.bcp
KB 1.4.1.8 Cap:2

Primer A : pGCAP-F
5' CTCAGTGGATGTTGCCTTTAC 3'

7676_RBb70B04_B1A4_pGCAP_F_A02_02_ABI24
7676_RBb70B04_B1A4_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1803 to 8706 Pk1 Loc:1771
Version 6.0 HiSQV Bases: 667

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Jan 14,2021 09:31AM, JST
Jan 14,2021 09:46AM, JST
Spacing:11.07 Pts/Panel1350
Plate Name: 20210114_GNP



Applied Biosystems

S/N G:26 A:22 T:15 C:21
KB.bcp
KB 1.4.1.8 Cap:5

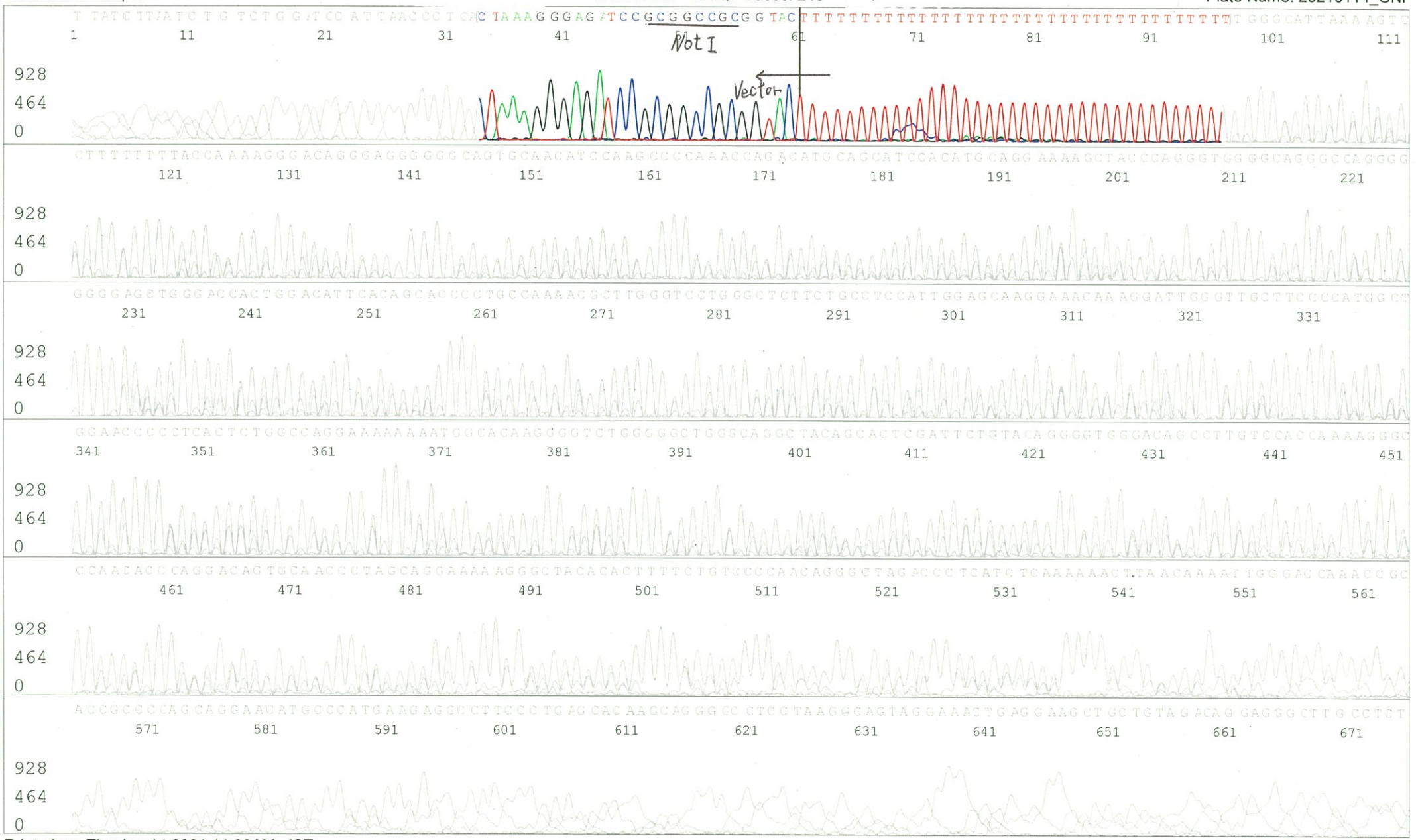
Primer B : pGCAP-R

5' GCATTCTAGTTGTGGTTTGTCC 3'

7676_RBb70B04_B1A4_pGCAP_R_B02_05_ABI24
7676_RBb70B04_B1A4_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1812 to 8706 Pk1 Loc:1780
Version 6.0 HiSQV Bases: 246

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Jan 14,2021 09:31AM, JST
Jan 14,2021 09:46AM, JST
Spacing:11.02 Pts/Panel1350
Plate Name: 20210114_GNP



Applied Biosystems

S/N G:29 A:25 T:15 C:22
KB.bcp
KB 1.4.1.8 Cap:8

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

7676_RBb70B04_B1A4_GNP Mixture_C02_08_ABI24
7676_RBb70B04_B1A4_GNP Mixture
KB_3500_POP7_BDTv3.mob
Pts 1794 to 8706 Pk1 Loc:1762
Version 6.0 HiSQV Bases: 626

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Jan 14,2021 09:31AM, JST
Jan 14,2021 09:46AM, JST
Spacing:11.04 Pts/Panel1350
Plate Name: 20210114_GNP

