NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Research Center

RIKEN Clone ID : ARe06A08

Lot# : 7672_B1Ia

Vector : pKA1U5

Gene	CLIC4	
RefSeq_mRNA	NM_013943.3	4253 bp

● Plasmid DNA purification

Date : 21.09.13 Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C O/N

Date : 21.09.14 Purification : QIAGEN Miniprep kit -> dH_2O 100 ul

● Digestion by restriction enzyme/Concentrarion calibration

Date : 21.09.14

DNA concentration (O.D.): 400 ng/ul

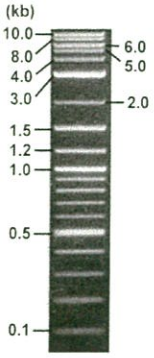
DNA	0.3 ul
Enzyme (BamHI)	1 ul
Buffer H	1 ul
dH_2O	7.7 ul
Total	10 ul

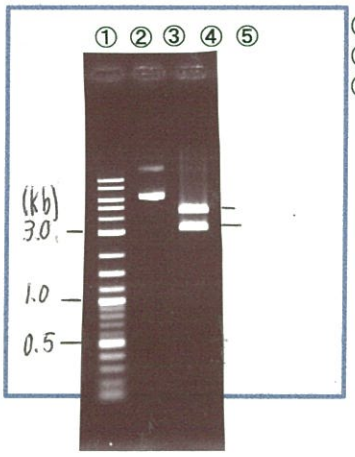
< Size of fragment expected from this clone >

BamHI 3.1kb (vector), 4.5 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 : 21.09.14

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 : 21.09.15

DNA (400 ng/ul)	90.0 ul
10x TE	144.0 ul
dH_2O	1206.0 ul
Total	1440.0 ul

● Shipping

☑ Conc. : 25 ng/μl, Volume : 40 μl

☐ ~~Conc. : ng/μl, Volume : μl~~

APPROVED BY : 確認 21.9.14 笹沼

Applied Biosystems

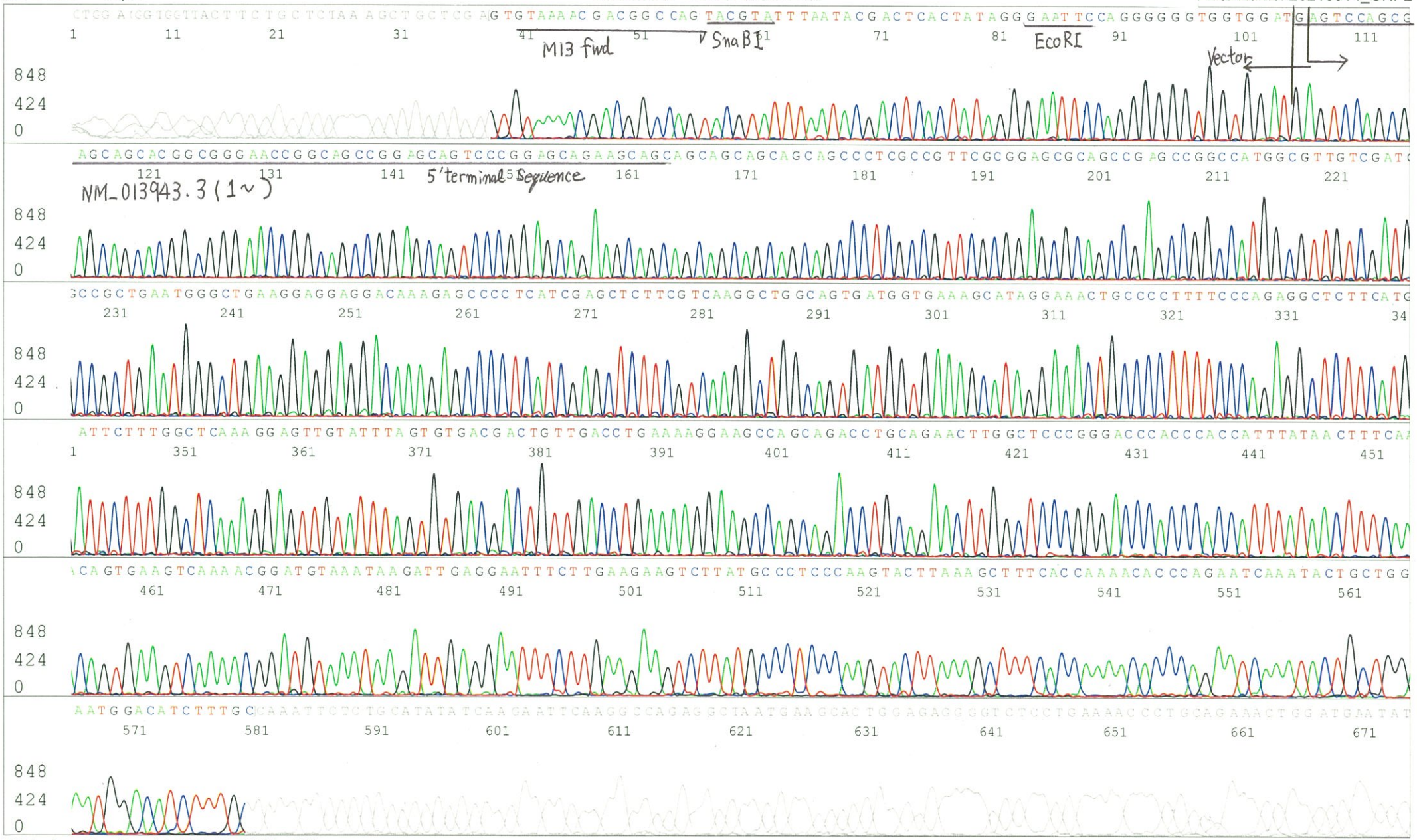
S/N G:43 A:59 T:28 C:47
KB.bcp
KB 1.4.1.8 Cap:5

Primer A : pGCAP-F
5' CTCAGTGGATGTTGCCTTTAC 3'

7672_ARe06A08_B1Ia_pGCAP_F_E01_05_ABI08
7672_ARe06A08_B1Ia_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1707 to 8704 Pk1 Loc:1675
Version 6.0 HiSQV Bases: 663

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Sep 14,2021 02:33PM, JST
Sep 14,2021 02:51PM, JST
Spacing:10.67 Pts/Panel1350
Plate Name: 20210914_GNP2



Applied Biosystems

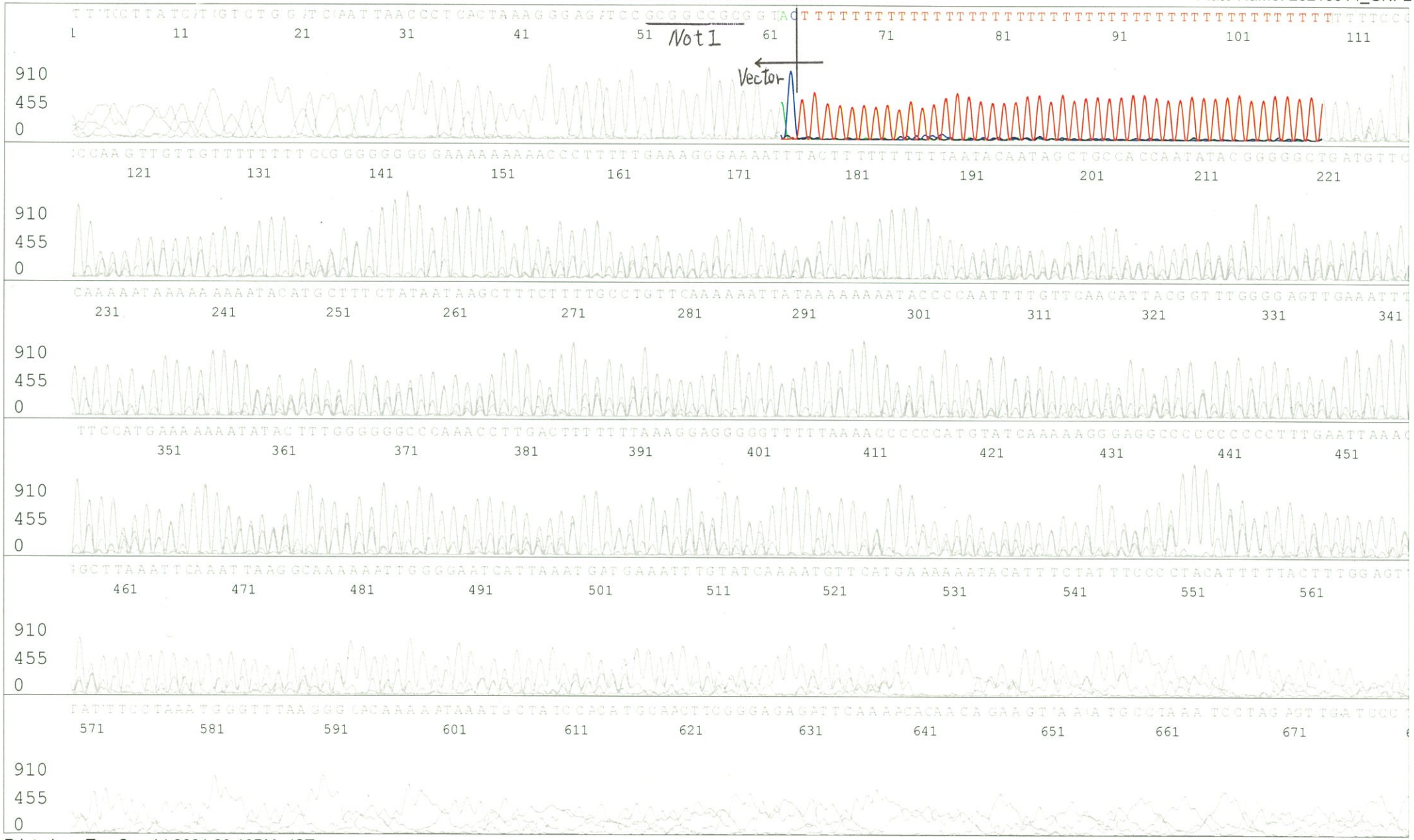
S/N G:14 A:29 T:19 C:18
KB.bcp
KB 1.4.1.8 Cap:6

Primer B : pGCAP-R
5' GCATTCTAGTTGTGGTTTGTCC 3'

7672_ARe06A08_B1Ia_pGCAP_R_F01_06_ABI08
7672_ARe06A08_B1Ia_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1713 to 8704 Pk1 Loc:1681
Version 6.0 HiSQV Bases: 153

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Sep 14,2021 02:33PM, JST
Sep 14,2021 02:51PM, JST
Spacing:10.75 Pts/Panel1350
Plate Name: 20210914_GNP2



Applied Biosystems

S/N G:9 A:15 T:10 C:9
KB.bcp
KB 1.4.1.8 Cap:7

Primer C : Poly(A) region primer #0

5' TTTTTTTTTTTTTTTTTTTTTNNN 3'

7672_ARe06A08_B1la_GNP Mixture_G01_07_ABI08
7672_ARe06A08_B1la_GNP Mixture
KB_3500_POP7_BDTv3.mob
Pts 1692 to 8704 Pk1 Loc:1660
Version 6.0 HiSQV Bases: 596

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Sep 14,2021 02:33PM, JST
Sep 14,2021 02:51PM, JST
Spacing:10.73 Pts/Panel1350
Plate Name: 20210914_GNP2

