NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Research Center

RIKEN_Clone_ID : RBb69A09

Lot# : 7676_B2Ca

Vector : pGCAP1

Gene	LOC100128822	
RefSeq_mRNA	NR_027387.1	1438 bp

● Plasmid DNA purification

Date : 2022.03.09 Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C O/N

Date : 2022.03.10 Purification : QIAGEN Miniprep kit -> dH_2O 100 ul

● Digestion by restriction enzyme/Concentrarion calibration

Date : 2022.03.10

DNA concentration (O.D.): 243 ng/ul

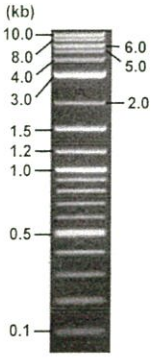
< Size of fragment expected from this clone >

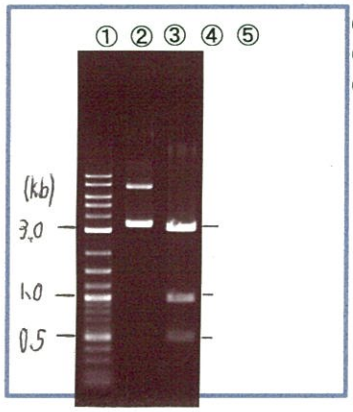
DNA	0.4 ul
Enzyme (BamHI)	1 ul
Buffer H	1 ul
dH_2O	7.6 ul
Total	10 ul

BamHI 3.1kb (vector), 1.0, 0.6, 0.1 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 : 2022.05.17

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 : 2022.05.26

DNA (243 ng/ul)	83.0 ul
10x TE	80.6 ul
dH_2O	643.1 ul
Total	806.7 ul

● Shipping

☑ Conc. : 25 ng/μl, Volume : 40 μl

☐ Conc. : ___ ng/μl, Volume : ___ μl

APPROVED BY : 確認 22.5.17 笹沼

Applied Biosystems

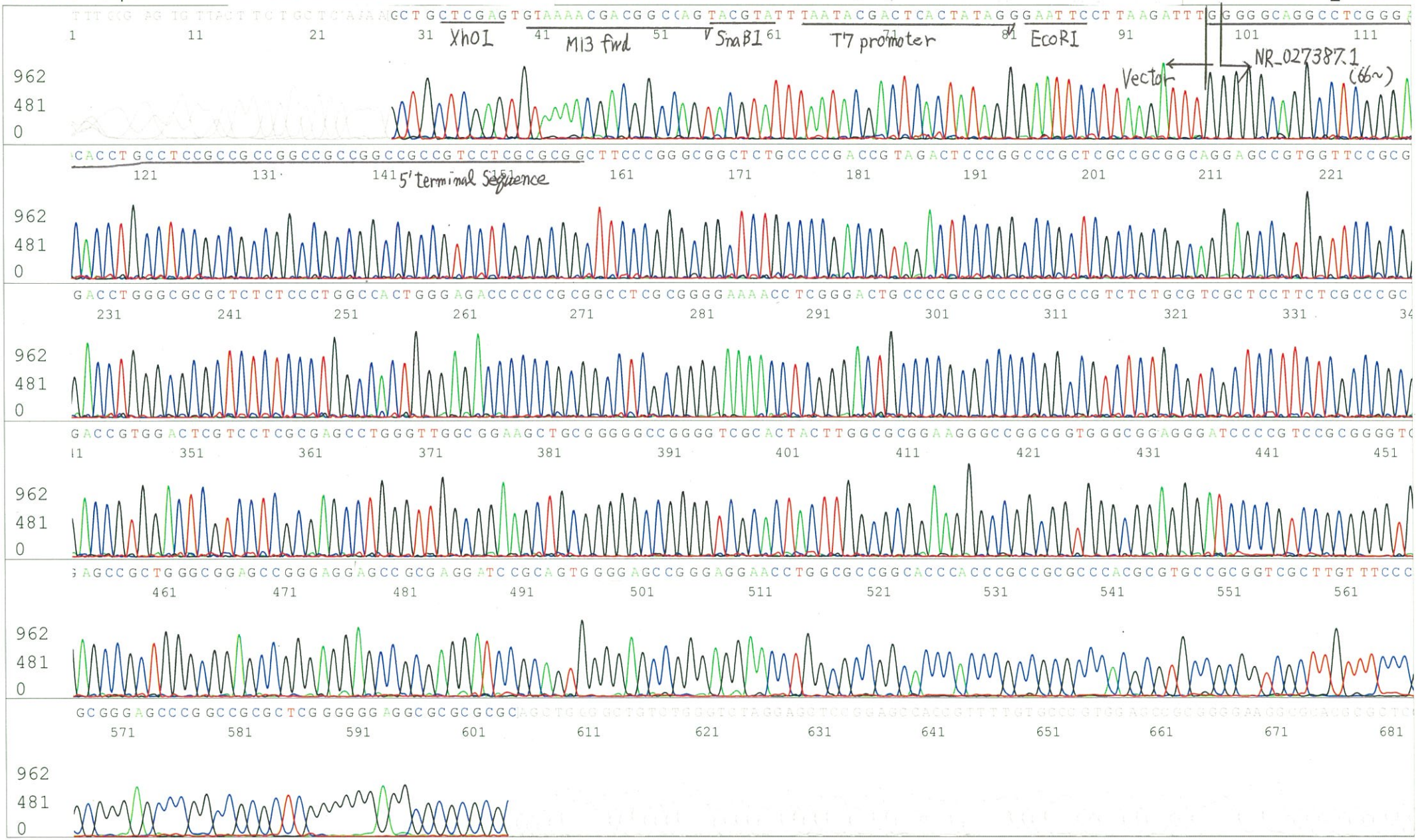
S/N G:207 A:137 T:90 C:241
KB.bcp
KB 1.4.1.8 Cap:6

Primer A : pGCAP-F
5' CTCAGTGGATGTTGCCTTTAC 3'

7676_RBb69A09_B2Ca_pGCAP_F_B03_06_ABI24
7676_RBb69A09_B2Ca_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1705 to 8707 Pk1 Loc:1673
Version 6.0 HiSQV Bases: 667

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Mar 11,2022 10:53AM, JST
Mar 11,2022 11:08AM, JST
Spacing:10.94 Pts/Panel1350
ate Name: 20220311_KatoClone



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S/N G:206 A:295 T:184 C:2
KB.bcp
KB 1.4.1.8 Cap:9

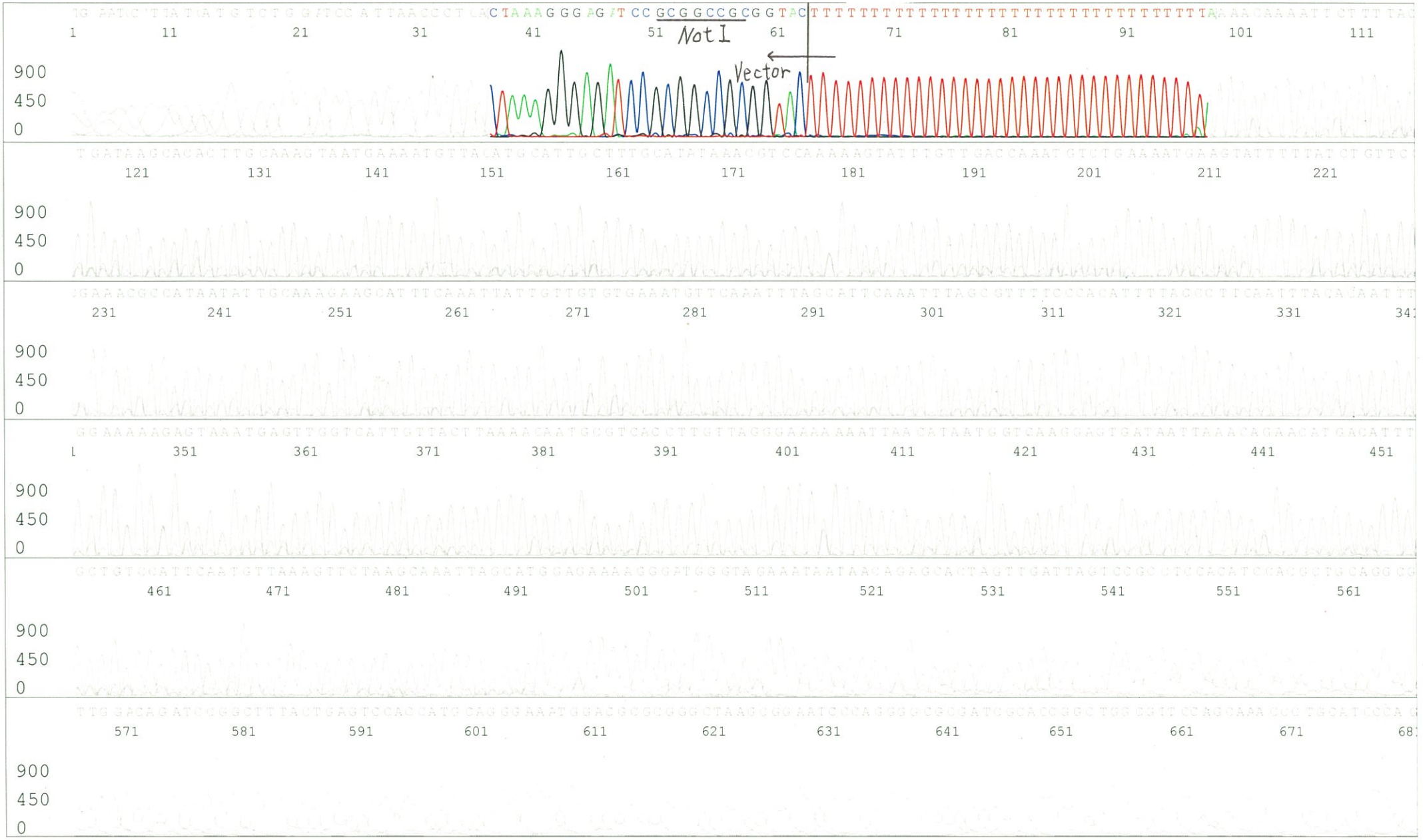
Primer B : pGCAP-R

5' GCATTCTAGTTGTGGTTTGTCC 3'

7676_RBb69A09_B2Ca_pGCAP_R_C03_09_ABI24
7676_RBb69A09_B2Ca_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1718 to 8707 Pk1 Loc:1686
Version 6.0 HiSQV Bases: 523

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Mar 11,2022 10:53AM, JST
Mar 11,2022 11:08AM, JST
Spacing:11.02 Pts/Panel1350
ate Name: 20220311_KatoClone



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S/N G:53 A:53 T:23 C:29
KB.bcp
KB 1.4.1.8 Cap:12

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

7676_RBb69A09_B2Ca_GNPmixture_D03_12_ABI24
7676_RBb69A09_B2Ca_GNPmixture
KB_3500_POP7_BDTv3.mob
Pts 1701 to 8707 Pk1 Loc:1669
Version 6.0 HiSQV Bases: 655

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Mar 11,2022 10:53AM, JST
Mar 11,2022 11:08AM, JST
Spacing:10.99 Pts/Panel1350
Plate Name: 20220311_KatoClone

