NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Research Center

RIKEN_Clone_ID : RBd99B10

Lot# : 7677_B1G6

Vector : pGCAP10

Gene	RAC1	
RefSeq_mRNA	NM_006908.5	2309 bp

● Plasmid DNA purification

Date : 21.07.06 Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C O/N

Date : 21.07.07 Purification : QIAGEN Miniprep kit -> dH_2O 100 ul

● Digestion by restriction enzyme/Concentrarion calibration

Date : 21.07.07

DNA concentration (O.D.): 251 ng/ul

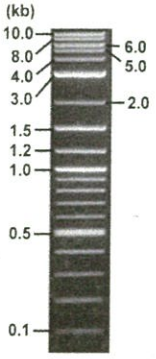
DNA	0.4 ul
Enzyme (BamHI)	1 ul
Buffer H	1 ul
dH_2O	7.6 ul
Total	10 ul

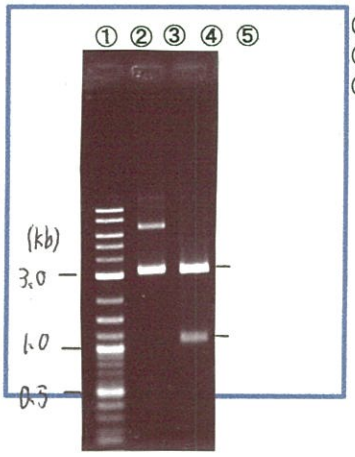
< Size of fragment expected from this clone >

BamHI 3.1kb (vector), 2.5 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 : 21.07.12

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 : 21.07.13

DNA (251 ng/ul)	88.0 ul
10x TE	88.3 ul
dH_2O	707.2 ul
Total	883.5 ul

● Shipping

☑ Conc. : 25 ng/μl, Volume : 40 μl

☐ ~~Conc. : ng/μl, Volume : μl~~

APPROVED BY : 確認 21.7.12 笹沼

http://dna.brc.riken.jp/index.html

Applied Biosystems

S/N G:252 A:185 T:150 C:277
KB.bcp
KB 1.4.1.8 Cap:1

Primer A : pGCAP-F
5' CTCAGTGGATGTTGCCTTTAC 3'

7677_RBd99b10_B1G6_pGCAP_F_A01_01_ABI08
7677_RBd99b10_B1G6_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1762 to 8704 Pk1 Loc:1730
Version 6.0 HiSQV Bases: 655

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Jul 08,2021 09:41AM, JST
Jul 08,2021 09:56AM, JST
Spacing:10.83 Pts/Panel1350
Plate Name: 20210708_GNP



Applied Biosystems

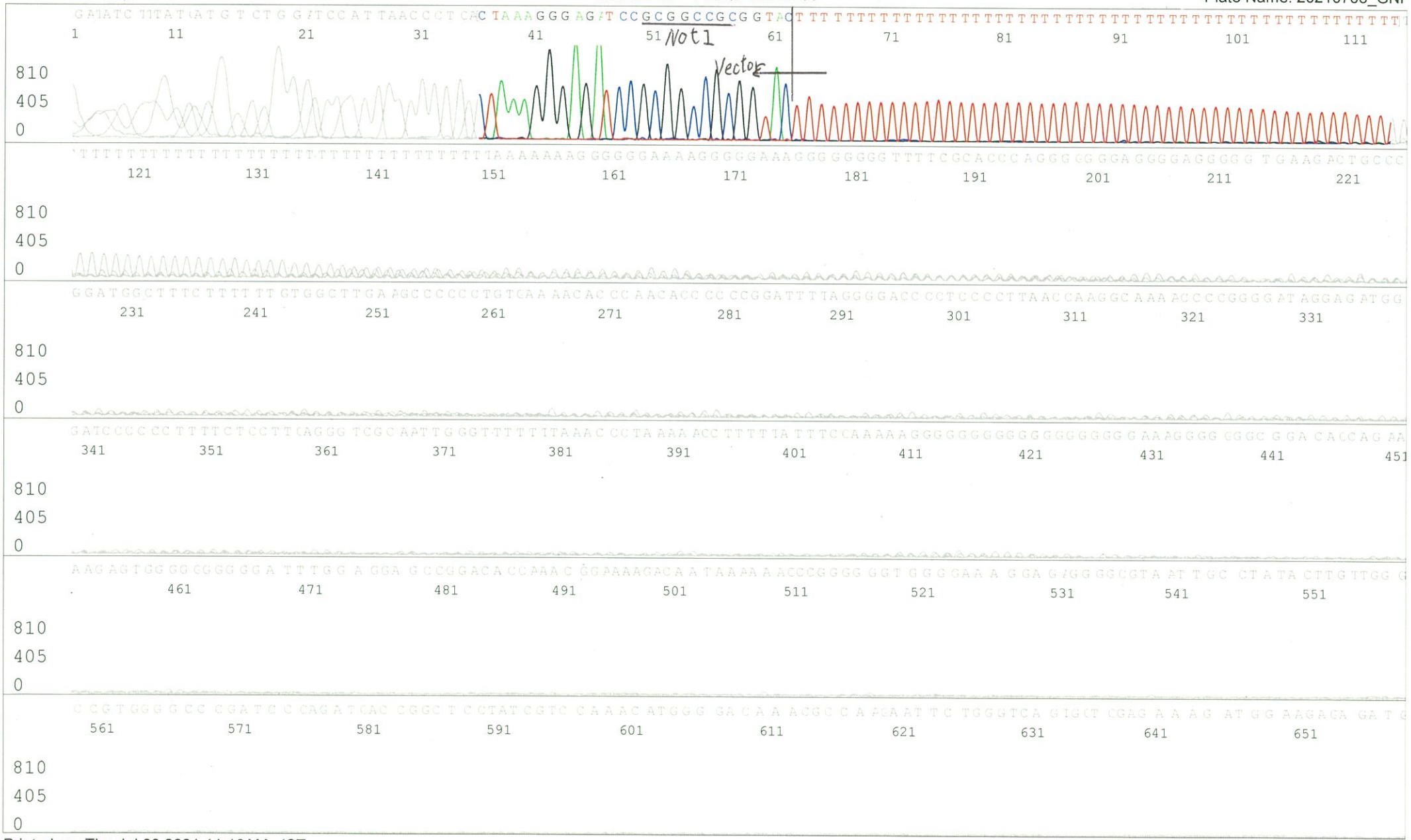
S/N G:28 A:20 T:35 C:24
KB.bcp
KB 1.4.1.8 Cap:2

Primer B : pGCAP-R
5' GCATTCTAGTTGTGGTTTGTCC 3'

7677_RBd99b10_B1G6_pGCAP_R_B01_02_ABI08
7677_RBd99b10_B1G6_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1755 to 8704 Pk1 Loc:1723
Version 6.0 HiSQV Bases: 98

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Jul 08,2021 09:41AM, JST
Jul 08,2021 09:56AM, JST
Spacing:10.92 Pts/Panel1350
Plate Name: 20210708_GNP



Applied Biosystems

S/N G:30 A:33 T:25 C:32
KB.bcp
KB 1.4.1.8 Cap:3

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

7677_RBd99b10_B1G6_GNP Mixture_C01_03_ABI08
7677_RBd99b10_B1G6_GNP Mixture
KB_3500_POP7_BDTv3.mob
Pts 1747 to 8704 Pk1 Loc:1715
Version 6.0 HiSQV Bases: 617

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Jul 08,2021 09:41AM, JST
Jul 08,2021 09:56AM, JST
Spacing:10.84 Pts/Panel1350
Plate Name: 20210708_GNP

