NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Research Center

Lot# : 6608_B2Hf

RIKEN_Clone_ID : RBdS177I07

Vector : pGCAP10

Gene	LRRC37A4	
RefSeq_mRNA	NR_002940.2	7238 bp

● Plasmid DNA purification

Date : 22.08.15 Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C O/N

Date : 22.08.24 Purification : QIAGEN Miniprep kit -> dH_2O 100 ul

● Digestion by restriction enzyme/Concentrarion calibration

Date : 22.08.24

DNA concentration (O.D.): 398 ng/ul

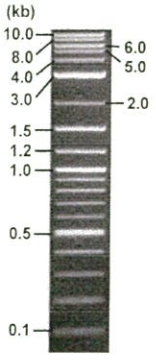
< Size of fragment expected from this clone >

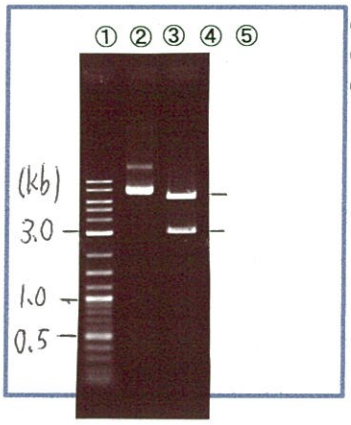
BamHI 3.1kb (vector), 7.4 kb (unsure)

DNA	0.25	ul
Enzyme (BamHI)	1	ul
Buffer H	1	ul
dH_2O	7.75	ul
Total	10	ul

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 : 22.12.14

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 : 22.12.15

DNA (398 ng/ul)	70.0	ul
10x TE	111.4	ul
dH_2O	930.0	ul
Total	1114.4	ul

● Shipping

☑ Conc. : 25 ng/μl, Volume : 40 μl

☐ Conc. : ng/μl, Volume : μl

APPROVED BY : 確認 22.12.15 笹沼

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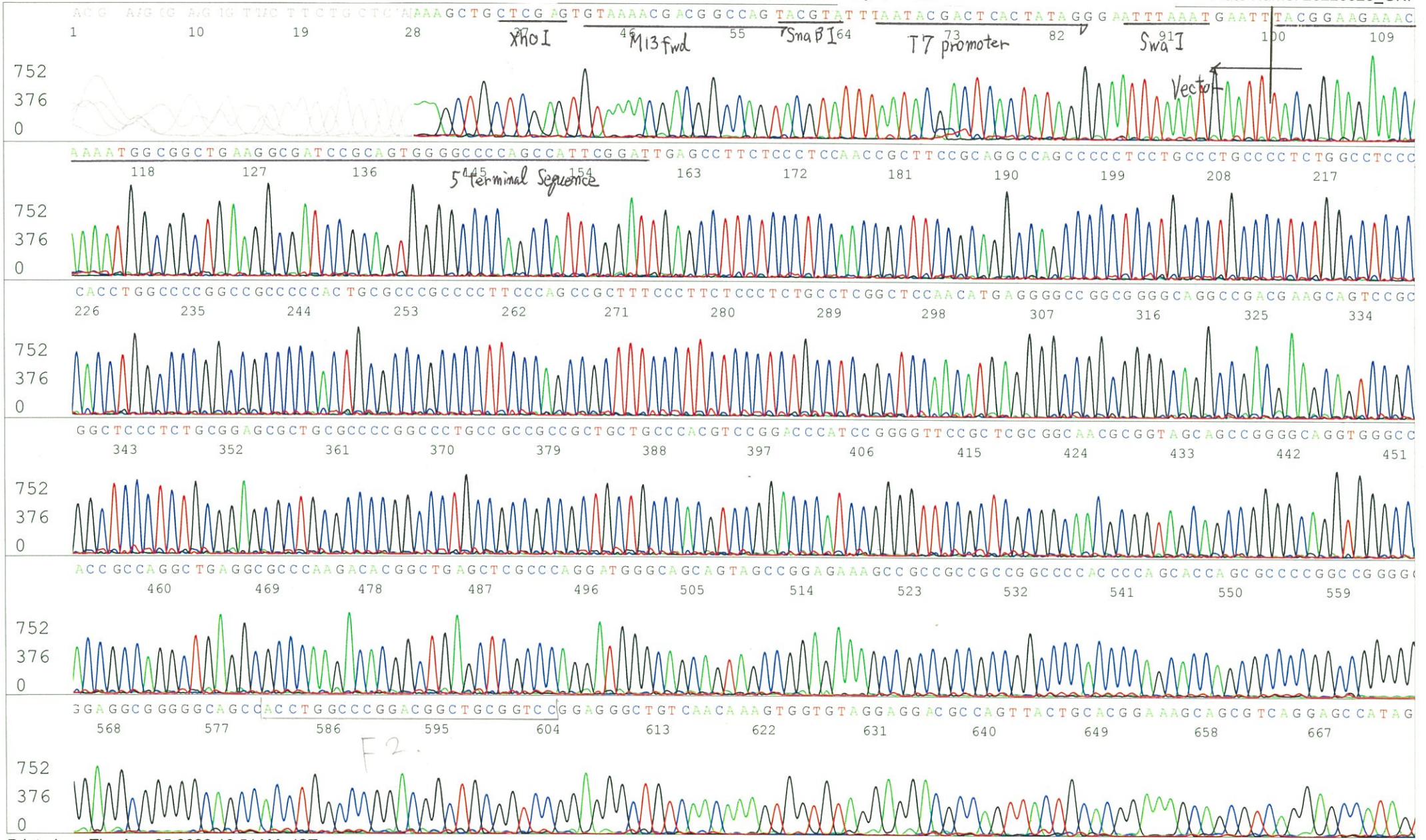
S/N G:342 A:298 T:178 C:513
KB.bcp
KB 1.4.1.8 Cap:14

Primer A : pGCAP-F
5' CTCAGTGGATGTTGCCTTTAC 3'

6608_RBdS177I07_B2Hf_pGCAP_F_E02_14_ABI24
6608_RBdS177I07_B2Hf_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1644 to 12043 Pk1 Loc:1627
Version 6.0 HiSQV Bases: 793

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Aug 25,2022 09:39AM, JST
Aug 25,2022 10:01AM, JST
Spacing:13.12 Pts/Panel1350
Plate Name: 20220825_GNP



Applied Biosystems

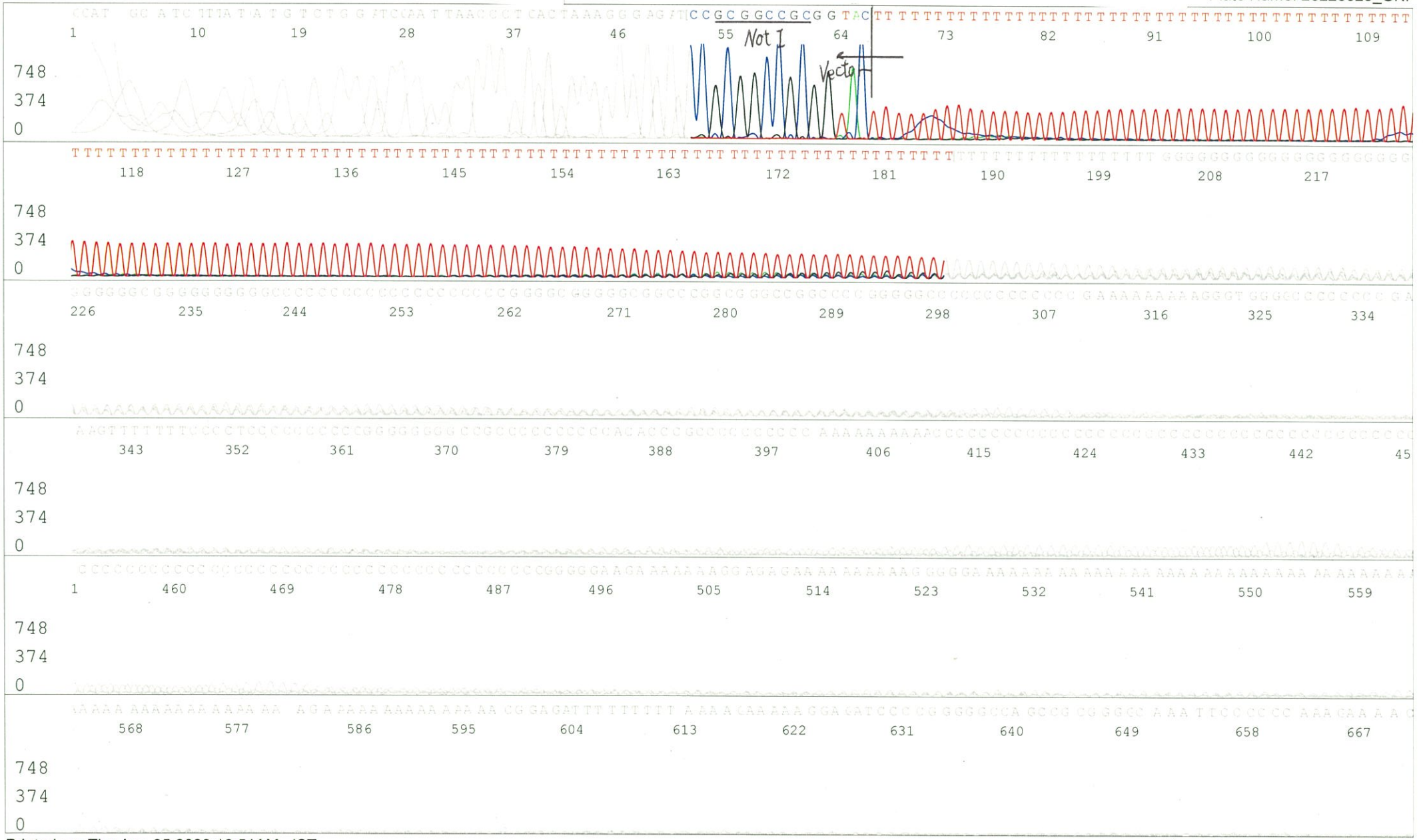
S/N G:46 A:68 T:102 C:60
KB.bcp
KB 1.4.1.8 Cap:17

Primer B : pGCAP-R
5' GCATTCTAGTTGTGGTTTGTCC 3'

6608_RBdS177I07_B2Hf_pGCAP_R_F02_17_ABI24
6608_RBdS177I07_B2Hf_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1629 to 12324 Pk1 Loc:1612
Version 6.0 HiSQV Bases: 167

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Aug 25,2022 09:39AM, JST
Aug 25,2022 10:01AM, JST
Spacing:13.45 Pts/Panel1350
Plate Name: 20220825_GNP



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6608_RBdS177I07_B2Hf_GNPmixture_G02_20_ABI24
6608_RBdS177I07_B2Hf_GNPmixture
KB_3500_POP7_BDTv3.mob
Pts 1630 to 12082 Pk1 Loc:1613
Version 6.0 HiSQV Bases: 762

Inst Model/Name 3500/3500 Instrument
Aug 25,2022 09:39AM, JST
Aug 25,2022 10:01AM, JST
Spacing:12.99 Pts/Panel1350
Plate Name: 20220825_GNP

S/N G:31 A:38 T:33 C:43
KB.bcp
KB 1.4.1.8 Cap:20

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

Gray line indicates quality value (QV) < 40.

