NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Center

RIKEN_Clone_ID : ARi12E07

Lot# : 7675_A7F5

Vector : pGCAP10

Gene	IARS2	
RefSeq_mRNA	NM_018060.3	3549 bp
	CDS	3039 bp
5' position		10

● Plasmid DNA purification

Date : 170605 Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C O/N

Date : 170606 Purification : QIAGEN Miniprep kit -> dH_2O 100 ul

● Digestion by restriction enzyme/Concentrarion calibration

Date : 170606

DNA concentration (O.D.): 174 ng/ul

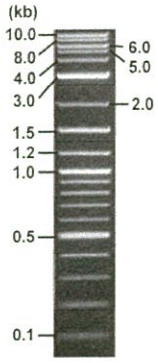
< Size of fragment expected from this clone >

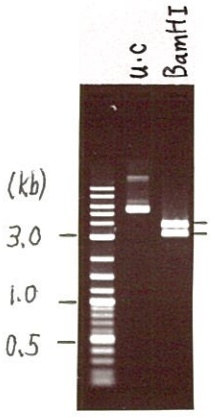
BamHI 3.1kb (vector), 3.7 kb (unsure)

DNA	0.5 ul
Enzyme (BamHI)	1 ul
Buffer H	1 ul
dH_2O	7.5 ul
Total	10 ul

Erectrophoresis : 1% agarose gel, 1x TAE Buffer

Marker : 2-Log DNA Ladder (NEB#N3200L)





● Confirmation of the insertion sequence

Date : 170607

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 : 170616

DNA (174 ng/ul)	84 ul
10x TE	58 ul
dH_2O	442 ul
Total	584 ul

● Shipping

☑ Conc. : 25 ng/μl, Volume : 40 μl

☐ ~~Conc. : ng/μl, Volume : μl~~

APPROVED BY : 確認 17.6.16 笹沼

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

Applied Biosystems

S/N G:70 A:70 T:72 C:110
KB.bcp
KB 1.4.1.8 Cap:4

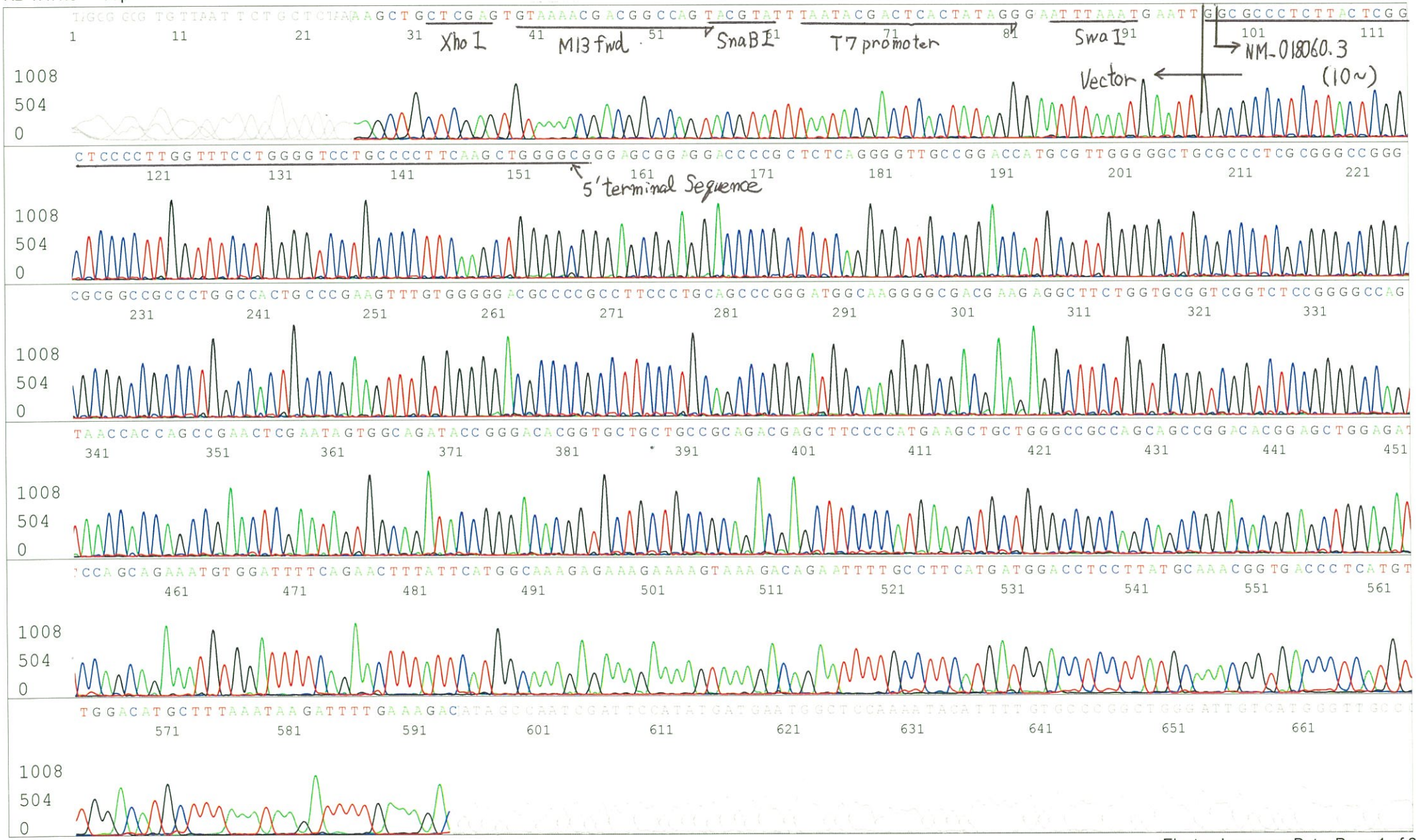
Primer A : pGCAP-F

5' CTCAGTGGATGTTGCCTTTAC 3'

7675_ARi12E07_A7F5_pGCAP_F_D01_04_ABI08
7675_ARi12E07_A7F5_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1815 to 8704 Pk1 Loc:1783
Version 6.0 HiSQV Bases: 707

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Jun 07,2017 02:31PM, JST
Jun 07,2017 02:45PM, JST
Spacing:10.69 Pts/Panel1350
Plate Name: 20170607_GNP



Applied Biosystems

S/N G:20 A:37 T:55 C:45
KB.bcp
KB 1.4.1.8 Cap:5

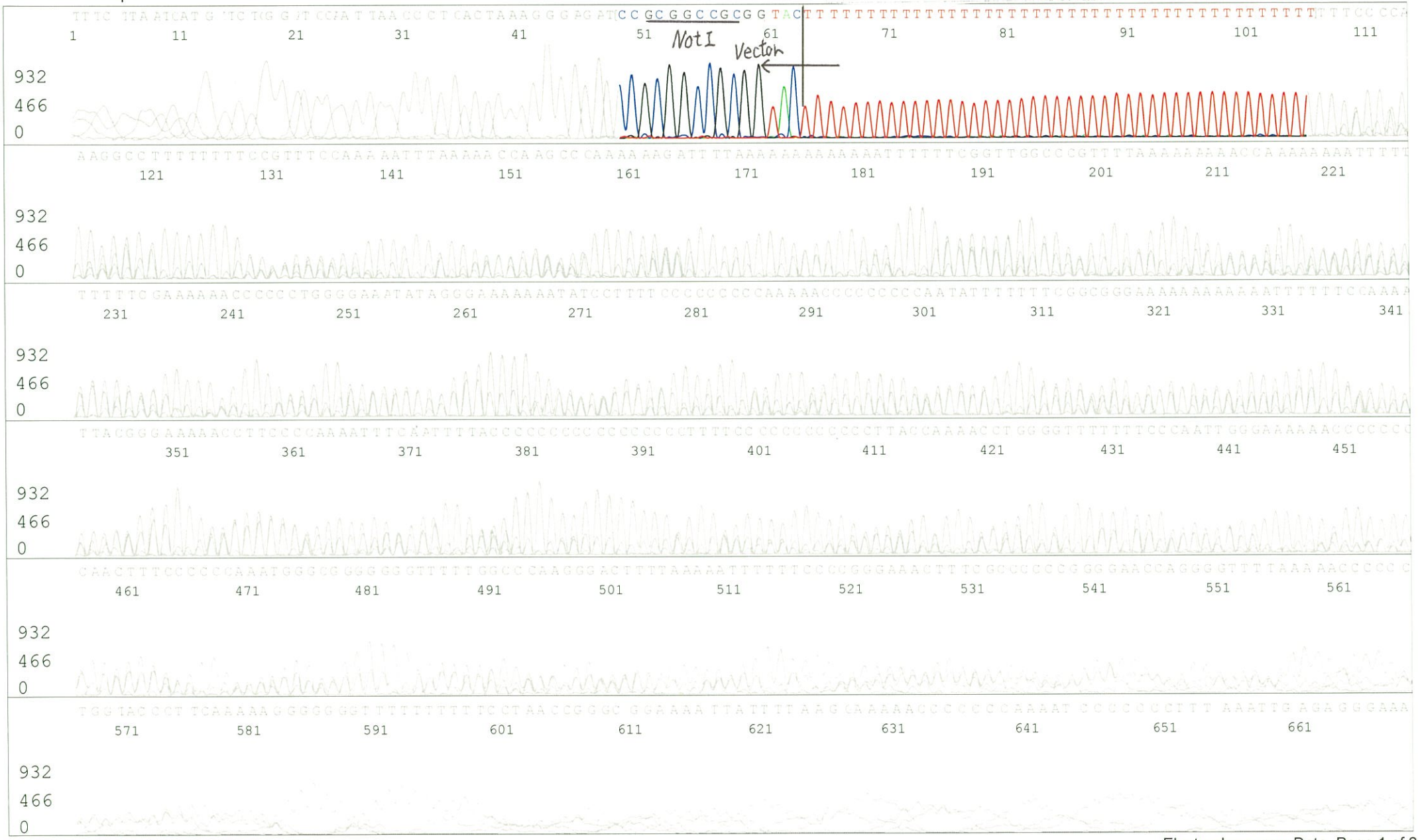
Primer B : pGCAP-R

5' GCATTCTAGTTGTGGTTTGTCC 3'

7675_ARi12E07_A7F5_pGCAP_R_E01_05_ABI08
7675_ARi12E07_A7F5_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1811 to 8704 Pk1 Loc:1779
Version 6.0 HiSQV Bases: 225

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Jun 07,2017 02:31PM, JST
Jun 07,2017 02:45PM, JST
Spacing:10.66 Pts/Panel1350
Plate Name: 20170607_GNP



Applied Biosystems

7675_ARi12E07_A7F5_GNPmixture_A09_03_ABI24
7675_ARi12E07_A7F5_GNPmixture
KB_3500_POP7_BDTv3.mob
Pts 1743 to 8706 Pk1 Loc:1711
Version 6.0 HiSQV Bases: 705

Inst Model/Name 3500/3500 Instrument
Jun 14,2017 03:30PM, JST
Jun 14,2017 03:46PM, JST
Spacing:10.59 Pts/Panel1350
Plate Name: 20170614_GNP

S/N G:143 A:221 T:161 C:138
KB.bcp
KB 1.4.1.8 Cap:3

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

Gray line indicates quality value (QV) < 40.

