NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Center

Lot# : 6608_A7F5

## RIKEN Clone ID : RBdS110B03

Vector : pGCAP10

| Gene | IARS2 | |
|---|---|---|
| RefSeq_mRNA | NM_018060.3 | 3549 bp |
| | *CDS* | 3039 bp |
| 5' position | | 44 |

### ● 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.): 257 ng/ul

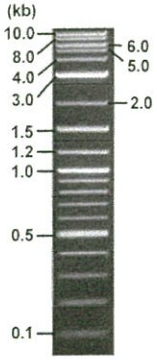
< Size of fragment expected from this clone >

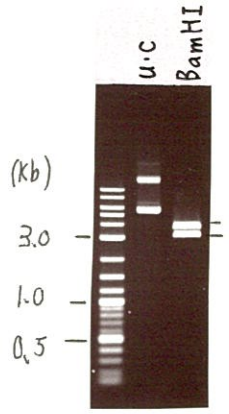
BamHI 3.1kb (vector), 3.7 kb (unsure)

| | |
|---|---|
| DNA | 0.35 ul |
| Enzyme (BamHI ) | 1 ul |
| Buffer H | 1 ul |
| $dH_2O$ | 7.65 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 ( 257 ng/ul) | 86. | ul |
| 10x TE | 88 | ul |
| $dH_2O$ | 710 | ul |
| Total | 884. | ul |

### ● Shipping

☑ Conc. : 25 ng/μl, Volume : 40 μl

☐ Conc. : ng/μl, Volume : μl

APPROVED BY : 確認 17.6.12 笹沼

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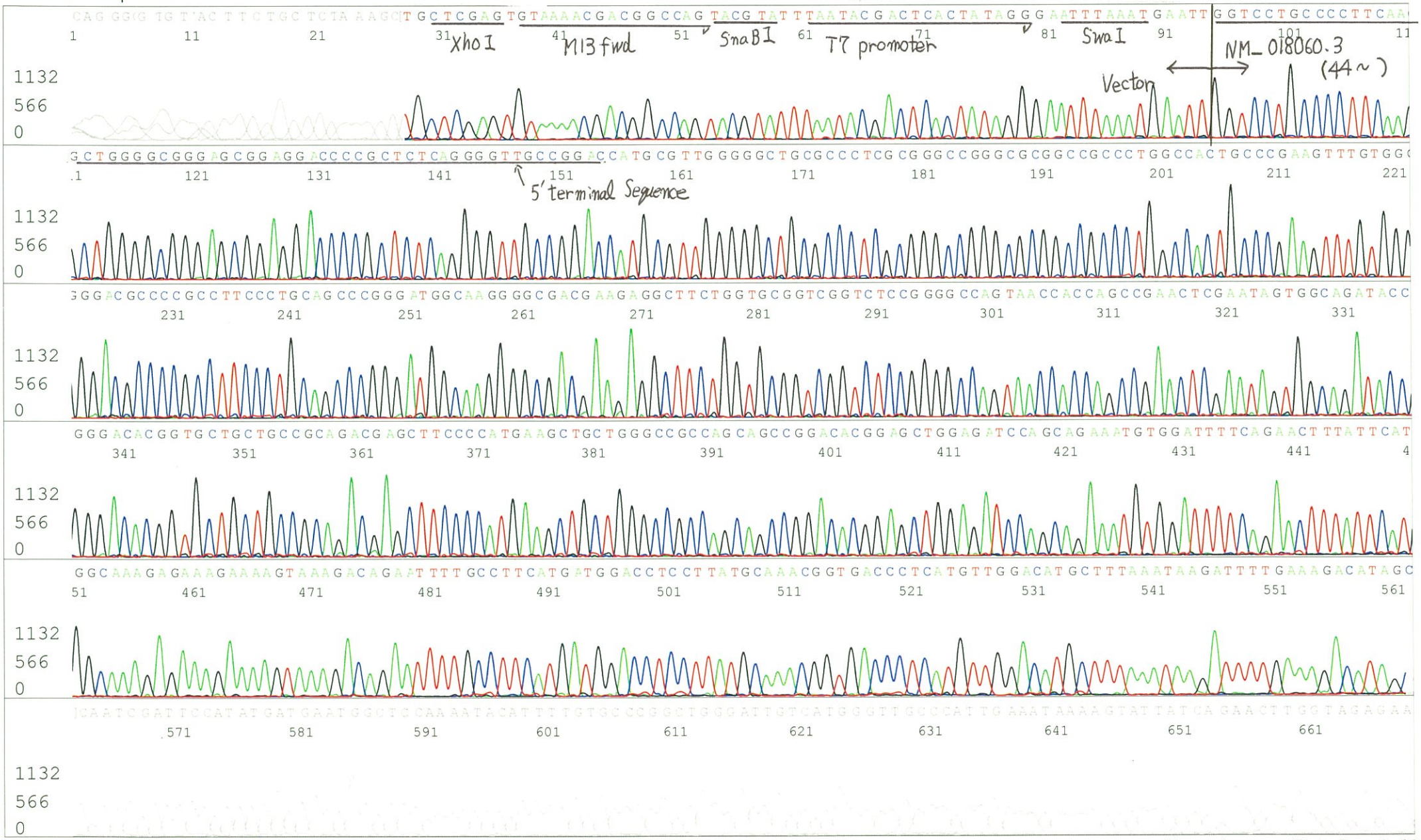
S/N G:88 A:96 T:88 C:134
KB.bcp
KB 1.4.1.8 Cap:1

Primer A : pGCAP-F
5' CTCAGTGGATGTTGCCTTTAC 3'

6608_RBdS110B03_A7F5_pGCAP_F_A01_01_ABI08
6608_RBdS110B03_A7F5_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1820 to 8704 Pk1 Loc:1788
Version 6.0 HiSQV Bases: 700

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:10.75 Pts/Panel1350
Plate Name: 20170607_GNP



Applied Biosystems

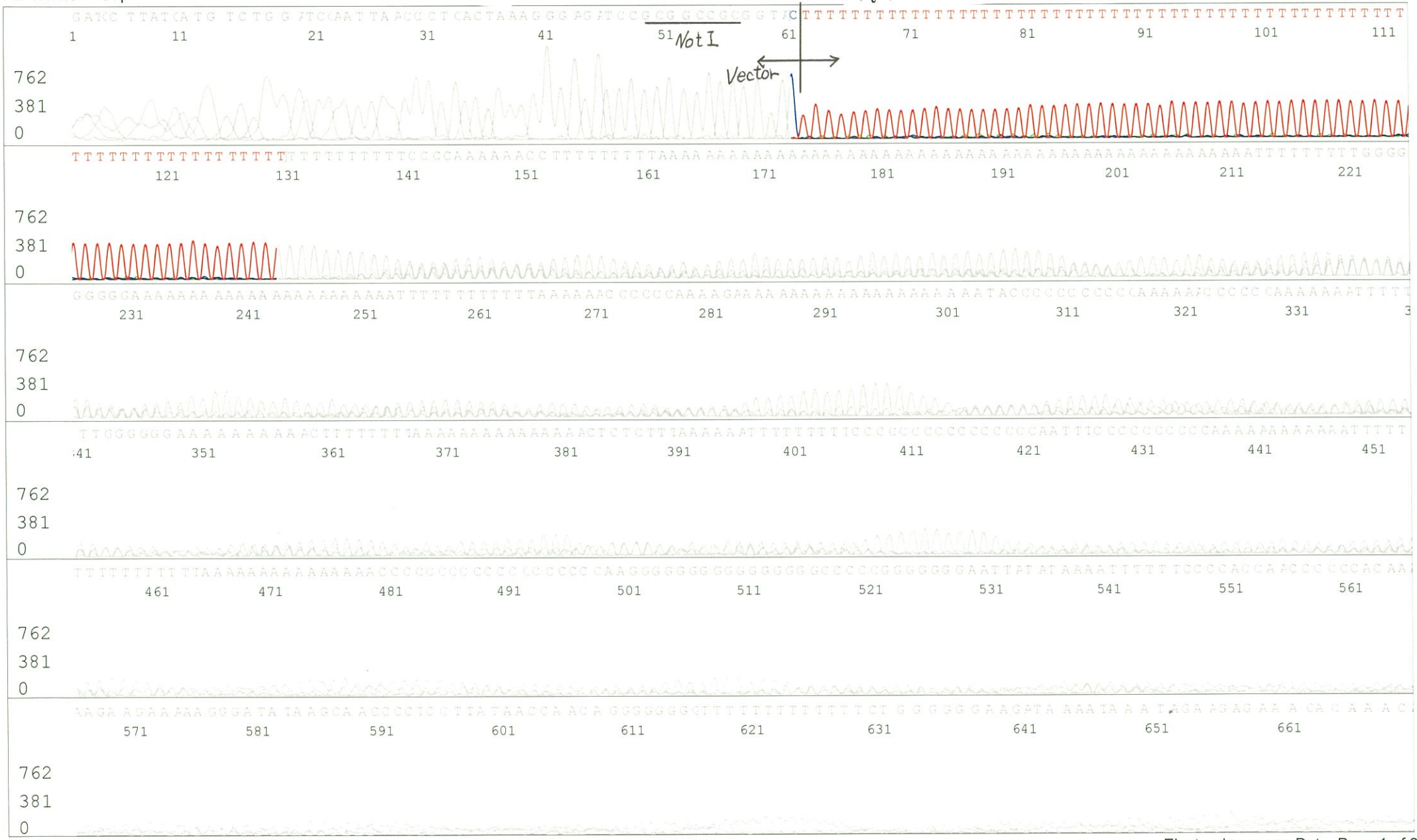
S/N G:9 A:14 T:21 C:14
KB.bcp
KB 1.4.1.8 Cap:2

Primer B : pGCAP-R
5' GCATTCTAGTTGTGGTTTGTCC 3'

6608_RBdS110B03_A7F5_pGCAP_R_B01_02_ABI08
6608_RBdS110B03_A7F5_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1823 to 8704 Pk1 Loc:1791
Version 6.0 HiSQV Bases: 246

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:10.84 Pts/Panel1350
Plate Name: 20170607_GNP



Applied Biosystems

S/N G:9 A:17 T:19 C:18
KB.bcp
KB 1.4.1.8 Cap:3

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

6608_RBdS110B03_A7F5_GNPmixture_C01_03_ABI08
6608_RBdS110B03_A7F5_GNPmixture
KB_3500_POP7_BDTv3.mob
Pts 1808 to 8704 Pk1 Loc:1776
Version 6.0 HiSQV Bases: 654

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:10.7 Pts/Panel1350
Plate Name: 20170607_GNP

