NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Research Center

**RIKEN Clone ID : ARi56F03**
Lot# : 7675_B2De

Vector : pGCAP10

| Gene | ZNFX1 | |
|---|---|---|
| RefSeq_mRNA | NM_021035.3 | 7209 bp |

## ● Plasmid DNA purification

Date : 22.04.14 Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C O/N

Date : 22.04.15 Purification : QIAGEN Miniprep kit -> $dH_2O$ 100 ul

## ● Digestion by restriction enzyme/Concentrarion calibration

Date : 22.04.15

DNA concentration (O.D.): 343 ng/ul

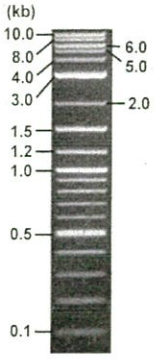
| | |
|---|---|
| DNA | 0.3 ul |
| Enzyme (BamHI ) | 1 ul |
| Buffer H | 1 ul |
| $dH_2O$ | 7.7 ul |
| Total | 10 ul |

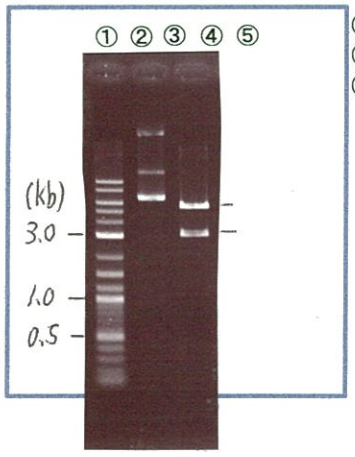
< Size of fragment expected from this clone >

BamHI 3.1kb (vector), 6.4, 1.0 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 : 22.04.20

| | |
|---|---|
| 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 : 22.04.20

| | |
|---|---|
| DNA (343 ng/ul) | 90.0 ul |
| 10x TE | 123.4 ul |
| $dH_2O$ | 1021.4 ul |
| Total | 1234.8 ul |

## ● Shipping

☑ Conc. : 25 ng/μl, Volume : 40 μl

☐ Conc. : ___ ng/μl, Volume : ___ μl

APPROVED BY : 確認 22.4.20 笹沼

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

Applied Biosystems

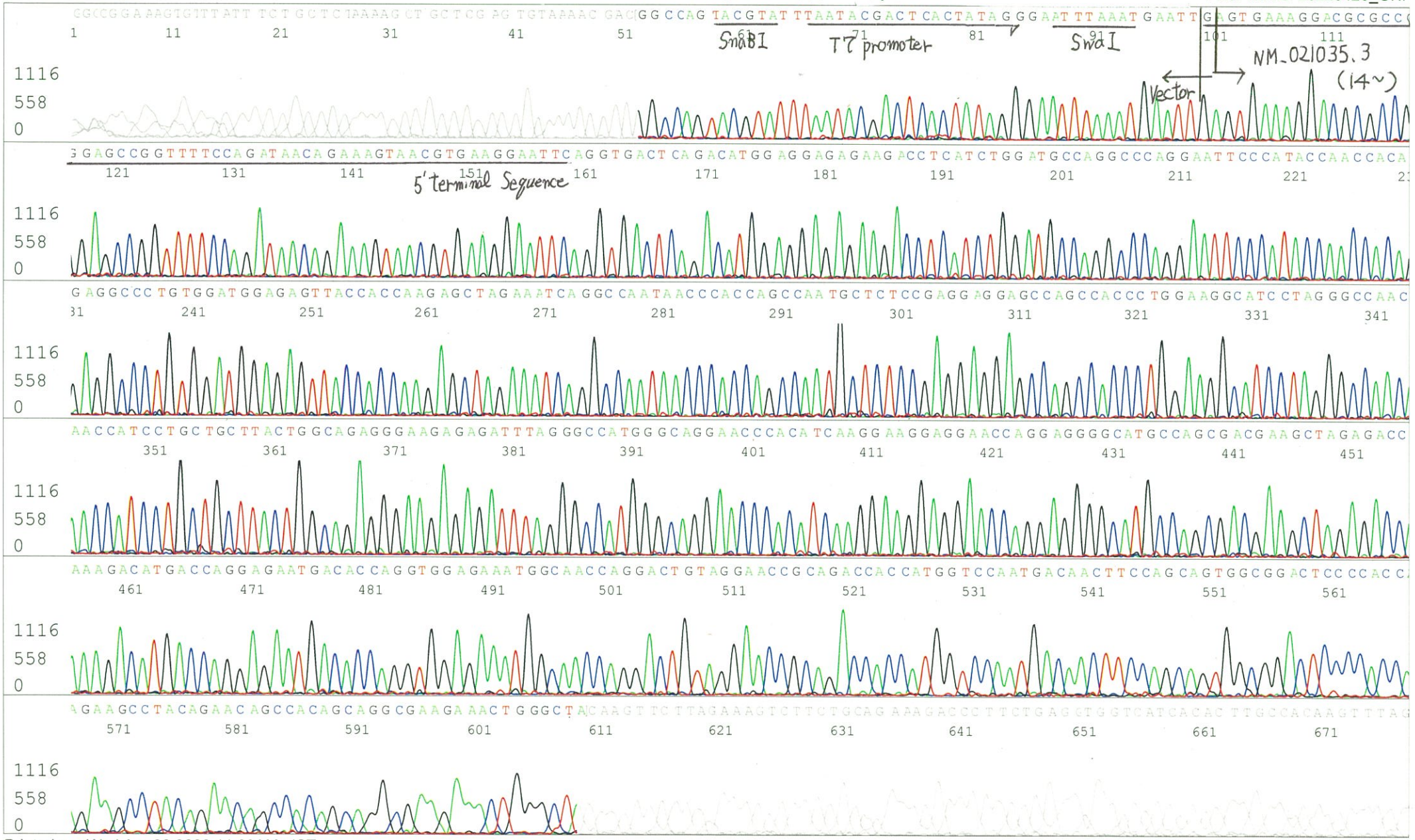
S/N G:23 A:29 T:12 C:23
KB.bcp
KB 1.4.1.8 Cap:5

Primer A: pOTB7-F
5' AACGCGGCTACAATTAATACATAACC 3'

7675_ARi56F03_B2De_pGCAP_F_E01_05_ABI08
7675_ARi56F03_B2De_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1676 to 8702 Pk1 Loc:1644
Version 6.0 HiSQV Bases: 666

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Apr 20,2022 09:48AM, JST
Apr 20,2022 10:04AM, JST
Spacing:10.9 Pts/Panel1350
Plate Name: 20220420_GNP



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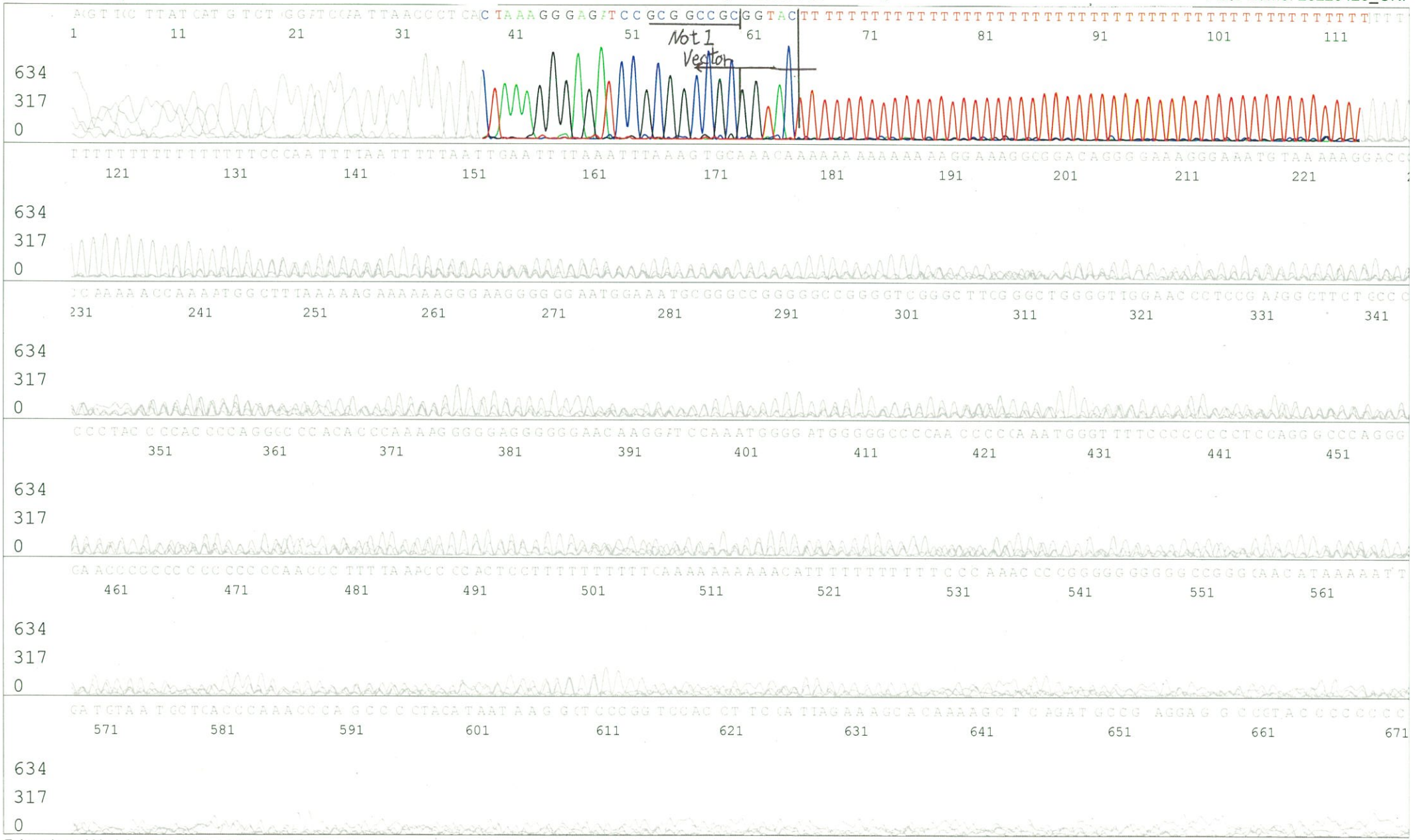
S/N G:11 A:11 T:10 C:10
KB.bcp
KB 1.4.1.8 Cap:6

Primer B: pOTB7-R
5' GTACTGCAGCCGATTCATTAATGC 3'

7675_ARi56F03_B2De_pGCAP_R_F01_06_ABI08
7675_ARi56F03_B2De_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1689 to 8702 Pk1 Loc:1657
Version 6.0 HiSQV Bases: 109

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Apr 20,2022 09:48AM, JST
Apr 20,2022 10:04AM, JST
Spacing:11.1 Pts/Panel1350
Plate Name: 20220420_GNP



Applied Biosystems

S/N G:10 A:10 T:7 C:9
KB.bcp
KB 1.4.1.8 Cap:7

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

7675_ARi56F03_B2De_GNP Mixture_G01_07_ABI08
7675_ARi56F03_B2De_GNP Mixture
KB_3500_POP7_BDTv3.mob
Pts 1676 to 8702 Pk1 Loc:1644
Version 6.0 HiSQV Bases: 614

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Apr 20,2022 09:48AM, JST
Apr 20,2022 10:04AM, JST
Spacing:11.02 Pts/Panel1350
Plate Name: 20220420_GNP

