NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Research Center

**RIKEN_Clone_ID : RBd73G11**
Lot# : 7677_B2LI

Vector : pGCAP10

| Gene | TMEM194B | |
|---|---|---|
| RefSeq_mRNA | NM_001142645 | 6172 bp |

## ● Plasmid DNA purification

Date : 22.12.22 Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C O/N

Date : 22.12.23 Purification : QIAGEN Miniprep kit -> $dH_2O$ 100 ul

## ● Digestion by restriction enzyme/Concentrarion calibration

Date : 22.12.23

DNA concentration (O.D.): 233 ng/ul

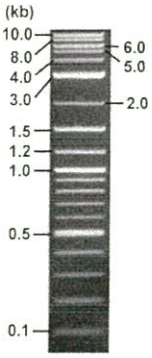
| | |
|---|---|
| DNA | 0.4 ul |
| Enzyme (BamHI ) | 1 ul |
| Buffer H | 1 ul |
| $dH_2O$ | 7.6 ul |
| Total | 10 ul |

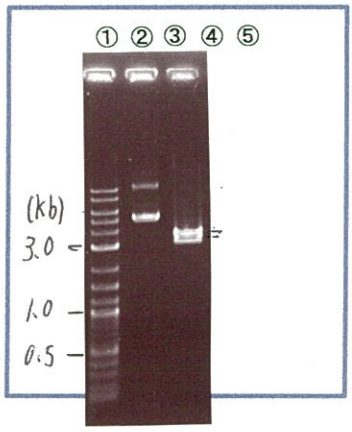
< Size of fragment expected from this clone >

BamHI 3.1kb (vector), 6.4 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 :23.03.28

| | |
|---|---|
| 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 :23.03.30

| | |
|---|---|
| DNA ( 233 ng/ul) | 78.0 ul |
| 10x TE | 72.6 ul |
| $dH_2O$ | 576.3 ul |
| Total | 726.9 ul |

## ● Shipping

☑ Conc. : 25 ng/μl, Volume : 40 μl

☐ ~~Conc. : ng/μl, Volume : μl~~

APPROVED BY :

確認 23.3.30 笹沼

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

Applied Biosystems

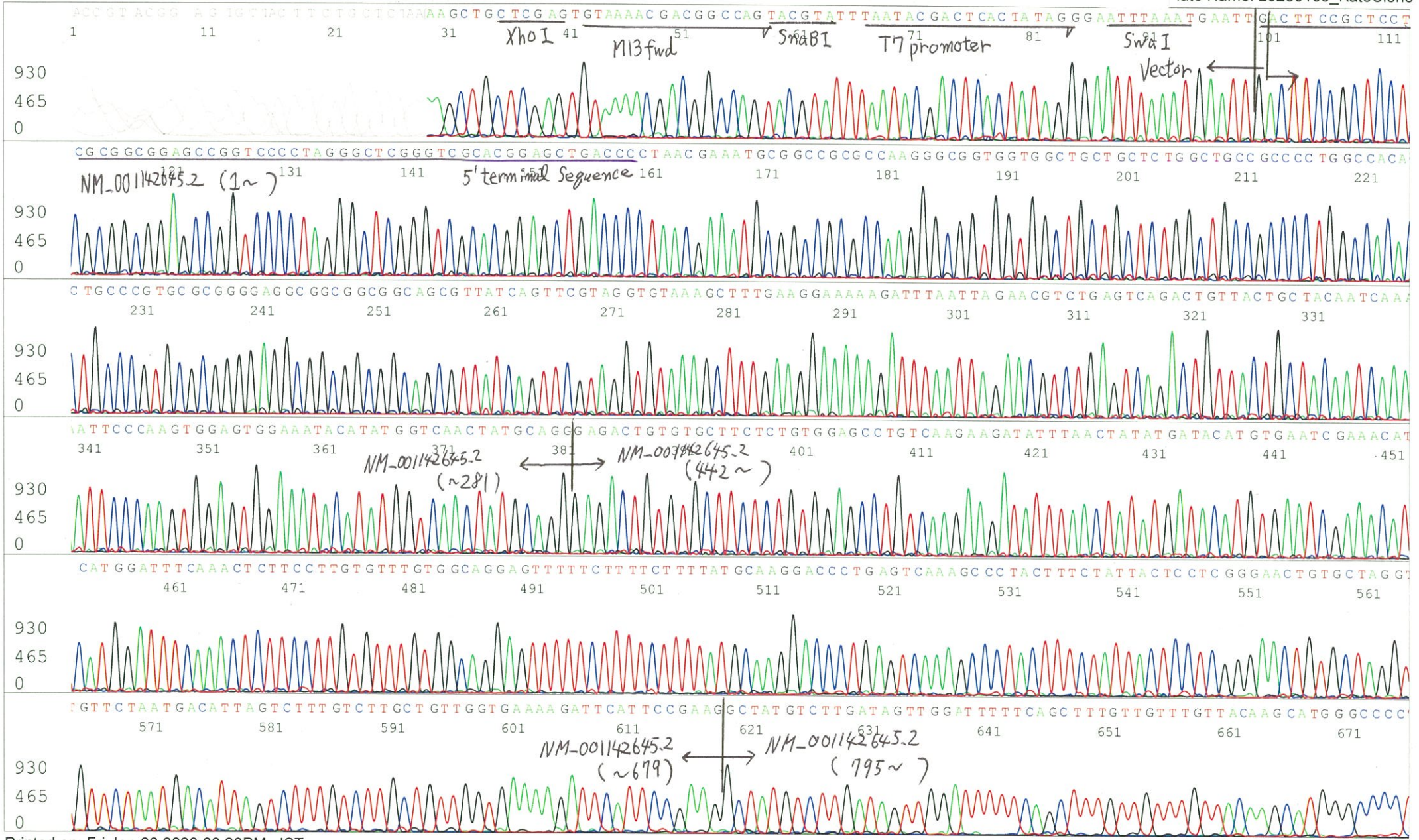
S/N G:318 A:350 T:234 C:369
KB.bcp
KB 1.4.1.8 Cap:9

Primer A : pGCAP-F
5' CTCAGTGGATGTTGCCTTTAC 3'

7677_RBd73G11_B2LI_pGCAP_F_C03_09_ABI24
7677_RBd73G11_B2LI_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1464 to 11966 Pk1 Loc:1447
Version 6.0 HiSQV Bases: 818

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Jan 06,2023 02:19PM, JST
Jan 06,2023 02:40PM, JST
Spacing:13.28 Pts/Panel1350
Plate Name: 20230106_KatoClone



Applied Biosystems

S/N G:27 A:42 T:21 C:28
KB.bcp
KB 1.4.1.8 Cap:15

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

7677_RBd73G11_B2LI_GNPmixture_E03_15_ABI24
7677_RBd73G11_B2LI_GNPmixture
KB_3500_POP7_BDTv3.mob
Pts 1448 to 11903 Pk1 Loc:1431
Version 6.0 HiSQV Bases: 784

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Jan 06,2023 02:19PM, JST
Jan 06,2023 02:40PM, JST
Spacing:13.23 Pts/Panel1350
Plate Name: 20230106_KatoClone

