NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Research Center

RIKEN_Clone_ID : RBd54D09
Lot# : 7677_B3Aj

Vector : pGCAP10

Gene	B2M	
RefSeq_mRNA	NM_004048.4	943 bp

● Plasmid DNA purification

Date : 23.01.23 Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C O/N

Date : 23.01.24 Purification : QIAGEN Miniprep kit -> dH_2O 100 ul

● Digestion by restriction enzyme/Concentrarion calibration

Date : 23.01.24

DNA concentration (O.D.): 198 ng/ul

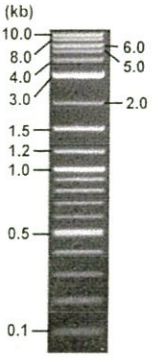
DNA	0.5 ul
Enzyme (BamHI)	1 ul
Buffer H	1 ul
dH_2O	7.5 ul
Total	10 ul

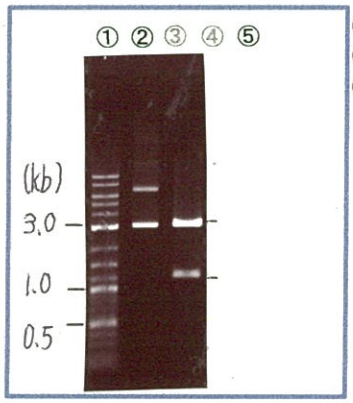
< Size of fragment expected from this clone >

BamHI 3.1kb (vector), 1.2 kb

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 : 23.01.27

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 : 23.01.27

DNA (198 ng/ul)	88.0 ul
10x TE	69.6 ul
dH_2O	539.3 ul
Total	696.9 ul

● Shipping

☑ Conc. : 25 ng/μl, Volume : 40 μl

☐ ~~Conc. : ng/μl, Volume : μl~~

APPROVED BY : 確認 23.1.27 笹沼

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

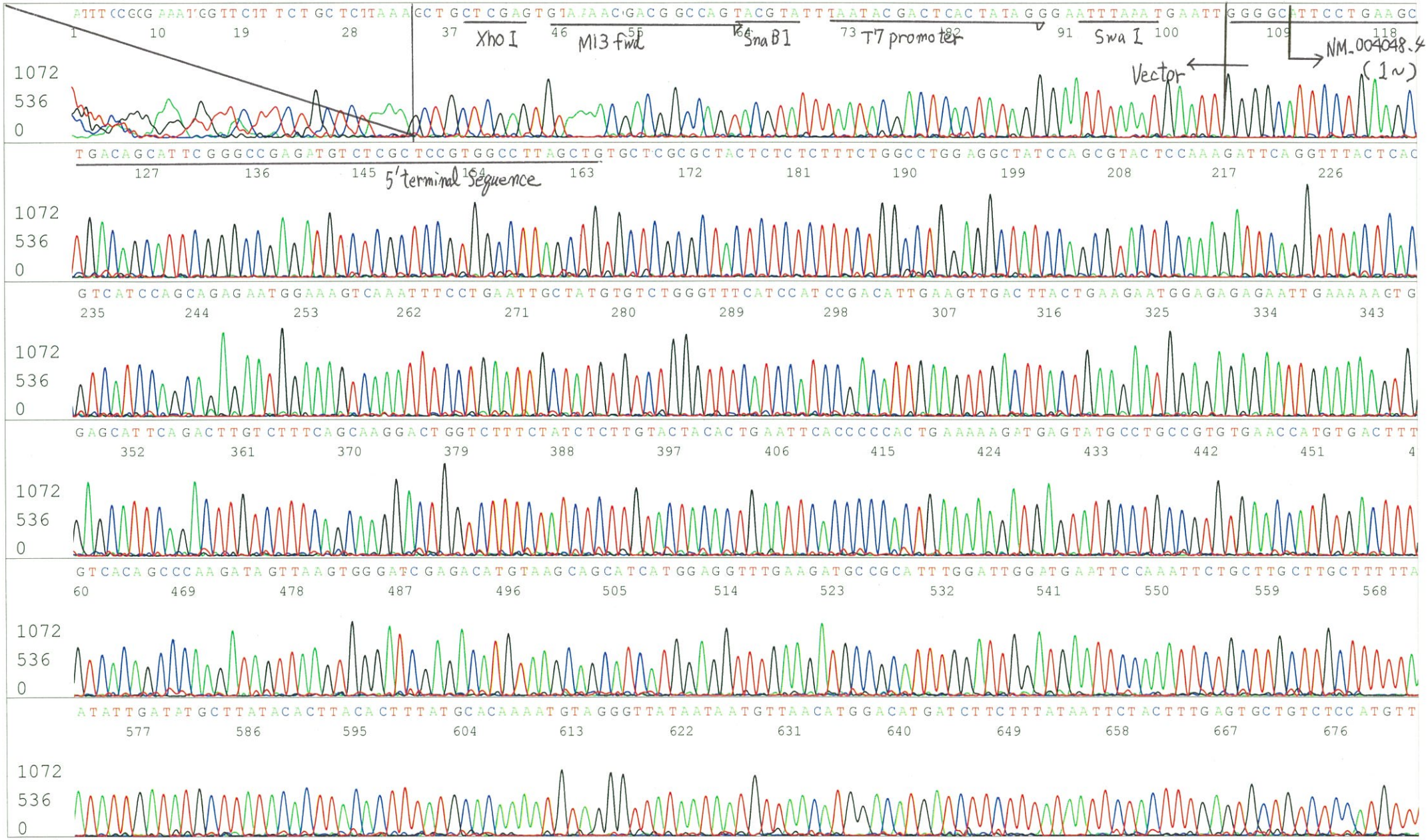
Applied Biosystems

S/N G:11 A:19 T:12 C:12
KB.bcp
KB 1.4.1.8 Cap:8

Primer A : pGCAP-F
5' CTCAGTGGATGTTGCCTTTAC 3'

7677_RBd54D09_B3Aj_pGCAP_F_H01_08_ABI08
7677_RBd54D09_B3Aj_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1289 to 13969 Pk1 Loc:1266
Version 6.0 HiSQV Bases: 918

Inst Model/Name 3500/3500 Instrument
Jan 25,2023 01:46PM, JST
Jan 25,2023 02:15PM, JST
Spacing:12.38 Pts/Panel1350
Plate Name: 20230125 mix



Applied Biosystems

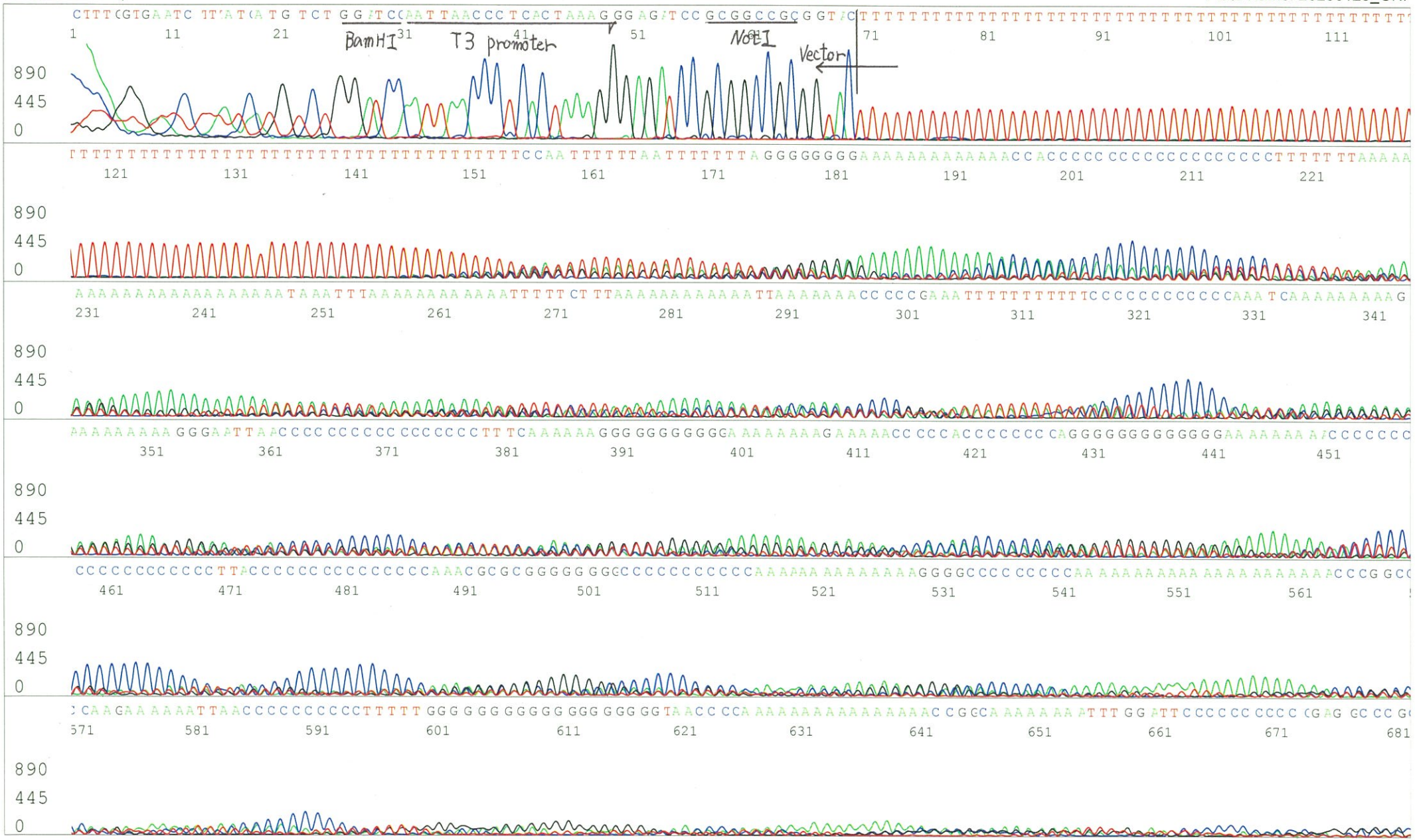
S/N G:15 A:29 T:27 C:20
KB.bcp
KB 1.4.1.8 Cap:5

Primer B : pGCAP-R

5' GCATTCTAGTTGTGGTTTGTCC 3'

7677_RBd54D09_B3Aj_pGCAP_R_E01_05_ABI08
7677_RBd54D09_B3Aj_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1501 to 12497 Pk1 Loc:1484
Version 6.0 HiSQV Bases: 164

Inst Model/Name 3500/3500 Instrument
Jan 25,2023 10:31AM, JST
Jan 25,2023 10:54AM, JST
Spacing:13.87 Pts/Panel1350
Plate Name: 20230125_GNP



Applied Biosystems

S/N G:9 A:21 T:14 C:13
KB.bcp
KB 1.4.1.8 Cap:6

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

7677_RBd54D09_B3Aj_GNPmixture_F01_06_ABI08
7677_RBd54D09_B3Aj_GNPmixture
KB_3500_POP7_BDTv3.mob
Pts 1479 to 12303 Pk1 Loc:1462
Version 6.0 HiSQV Bases: 766

Inst Model/Name 3500/3500 Instrument
Jan 25,2023 10:31AM, JST
Jan 25,2023 10:54AM, JST
Spacing:13.68 Pts/Panel1350
Plate Name: 20230125_GNP

