NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Research Center

Lot# : 7676_B2Hf

RIKEN Clone ID : RBb09F04

Vector : pKA1U5

Gene	MARK3	
RefSeq_mRNA	NM_002376.7	3409 bp

● Plasmid DNA purification

Date : 22.08.15 Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C O/N

Date : 22.08.23 Purification : QIAGEN Miniprep kit -> dH_2O 100 ul

● Digestion by restriction enzyme/Concentrarion calibration

Date : 22.08.23

DNA concentration (O.D.): 365 ng/ul

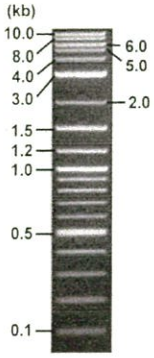
DNA	0.3 ul
Enzyme (BamHI)	1 ul
Buffer H	1 ul
dH_2O	7.7 ul
Total	10 ul

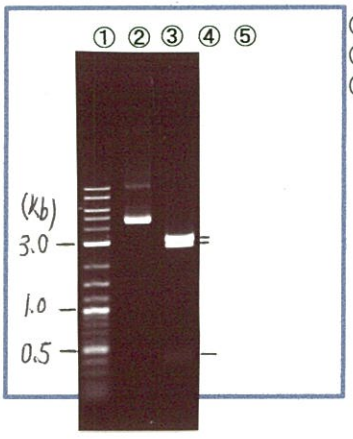
< Size of fragment expected from this clone >

BamHI 3.1kb (vector), 2.7, 0.9 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 : 22.12.1

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 : 22.12.6

DNA (365 ng/ul)	80.0 ul
10x TE	116.8 ul
dH_2O	971.2 ul
Total	1168.0 ul

● Shipping

☑ Conc. : 25 ng/μl, Volume : 40 μl

☐ ~~Conc. : ng/μl, Volume : μl~~

APPROVED BY :

確認 22.12.06 笹沼

Applied Biosystems

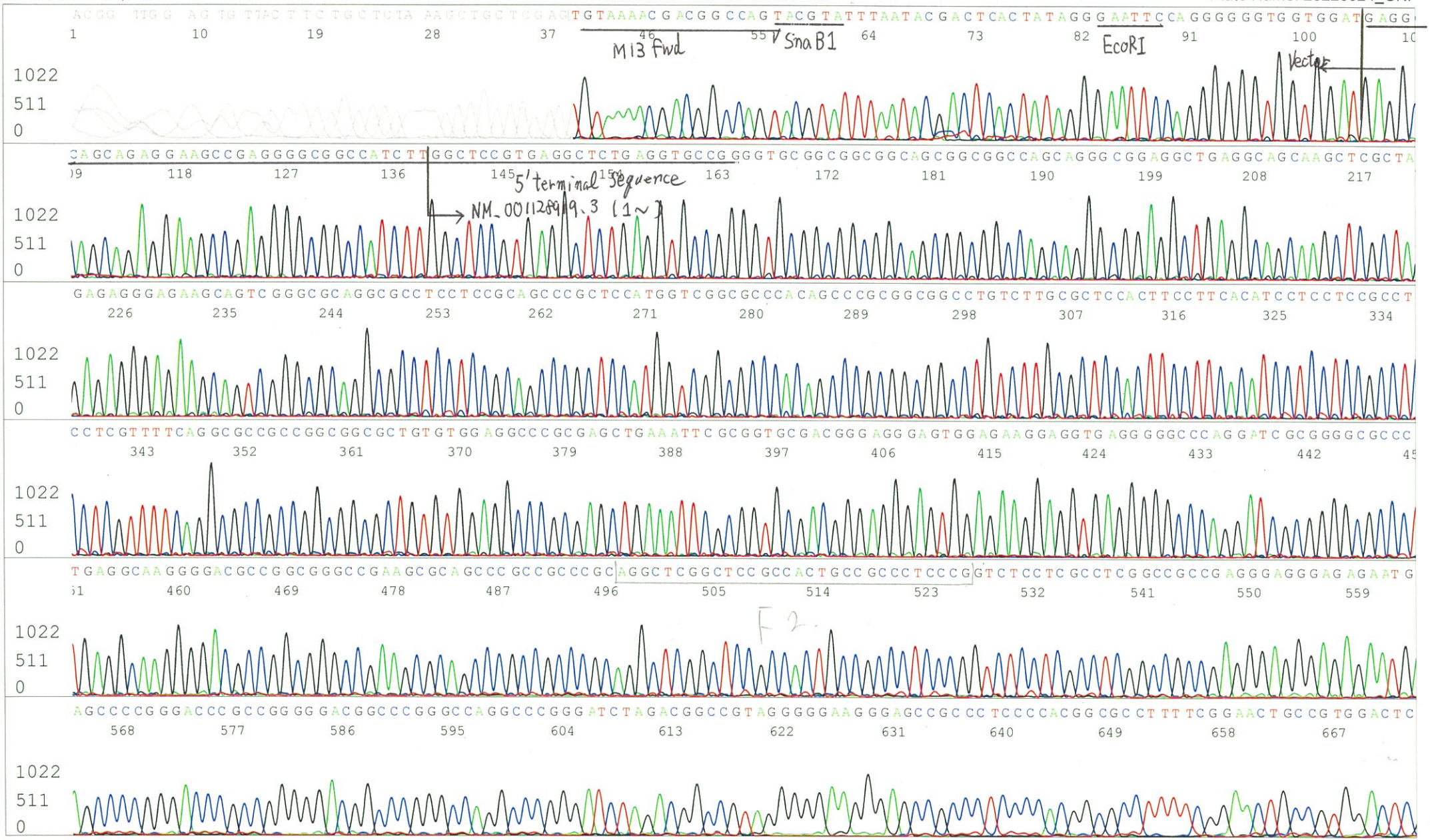
S/N G:463 A:373 T:206 C:517
KB.bcp
KB 1.4.1.8 Cap:10

Primer A : pGCAP-F
5' CTCAGTGGATGTTGCCTTTAC 3'

7676_RBb09F04_B2Hf_pGCAP_F_D01_10_ABI24
7676_RBb09F04_B2Hf_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1702 to 12322 Pk1 Loc:1685
Version 6.0 HiSQV Bases: 791

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Aug 24,2022 09:40AM, JST
Aug 24,2022 10:01AM, JST
Spacing:13.27 Pts/Panel1350
Plate Name: 20220824_GNP



Applied Biosystems

S/N G:267 A:332 T:300 C:
KB.bcp
KB 1.4.1.8 Cap:13

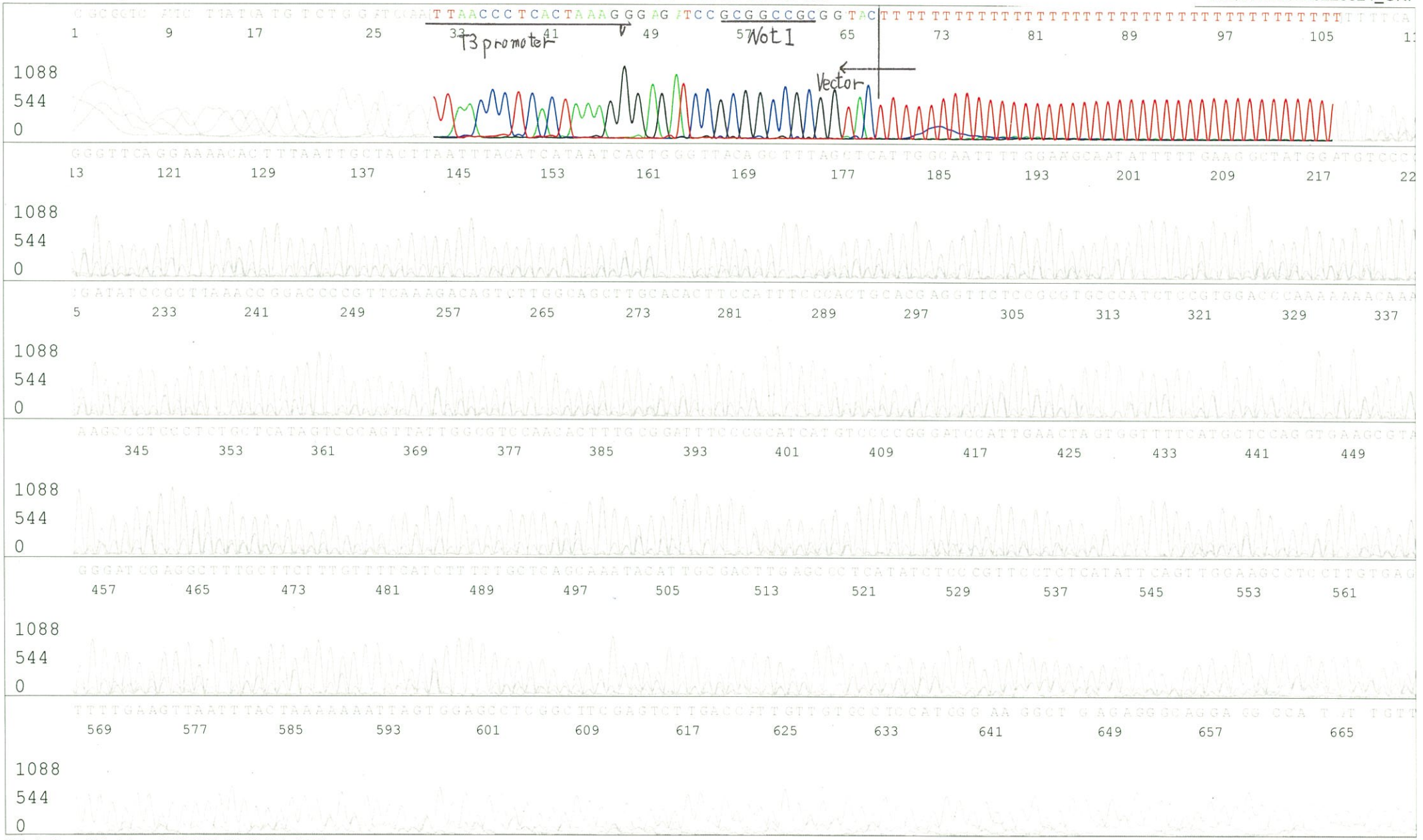
Primer B : pGCAP-R

5' GCATTCTAGTTGTGGTTTGTCC 3'

7676_RBb09F04_B2Hf_pGCAP_R_E01_13_ABI24
7676_RBb09F04_B2Hf_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1700 to 12333 Pk1 Loc:1683
Version 6.0 HiSQV Bases: 129

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Aug 24,2022 09:40AM, JST
Aug 24,2022 10:01AM, JST
Spacing:13.31 Pts/Panel1350
Plate Name: 20220824_GNP



Applied Biosystems

S/N G:79 A:78 T:62 C:80
KB.bcp
KB 1.4.1.8 Cap:16

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

7676_RBb09F04_B2Hf_GNPmixture_F01_16_ABI24
7676_RBb09F04_B2Hf_GNPmixture
KB_3500_POP7_BDTv3.mob
Pts 1669 to 12309 Pk1 Loc:1652
Version 6.0 HiSQV Bases: 792

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Aug 24,2022 09:40AM, JST
Aug 24,2022 10:01AM, JST
Spacing:13.28 Pts/Panel1350
Plate Name: 20220824_GNP

