NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Research Center

RIKEN Clone ID : ARi64H02

Lot# : 7675_B0JI

Vector : pGCAP10

Gene	PSG3	
RefSeq_mRNA	NM_021016.4	1873 bp

● Plasmid DNA purification

Date : 20.10.21 Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C O/N

Date : 20.10.22 Purification : QIAGEN Miniprep kit -> dH_2O 100 ul

● Digestion by restriction enzyme/Concentrarion calibration

Date : 20.10.22

DNA concentration (O.D.): 331 ng/ul

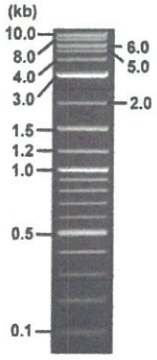
DNA	0.3 ul
Enzyme (BamHI)	1 ul
Buffer H	1 ul
dH_2O	7.7 ul
Total	10 ul

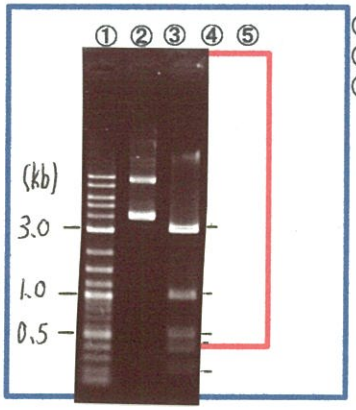
< Size of fragment expected from this clone >

BamHI 3.1kb (vector), 0.9, 0.5, 0.4, 0.2 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 : 21.02.04

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 : 21.03.30

DNA (331 ng/ul)	85.0 ul
10x TE	112.5 ul
dH_2O	927.9 ul
Total	1125.4 ul

● Shipping

Conc. : 25 ng/μl, Volume : 40 μl

~~Conc. : ng/μl, Volume : μl~~

APPROVED BY :

確認 21.2.04

Applied Biosystems

S/N G:427 A:588 T:328 C:500
KB.bcp
KB 1.4.1.8 Cap:1

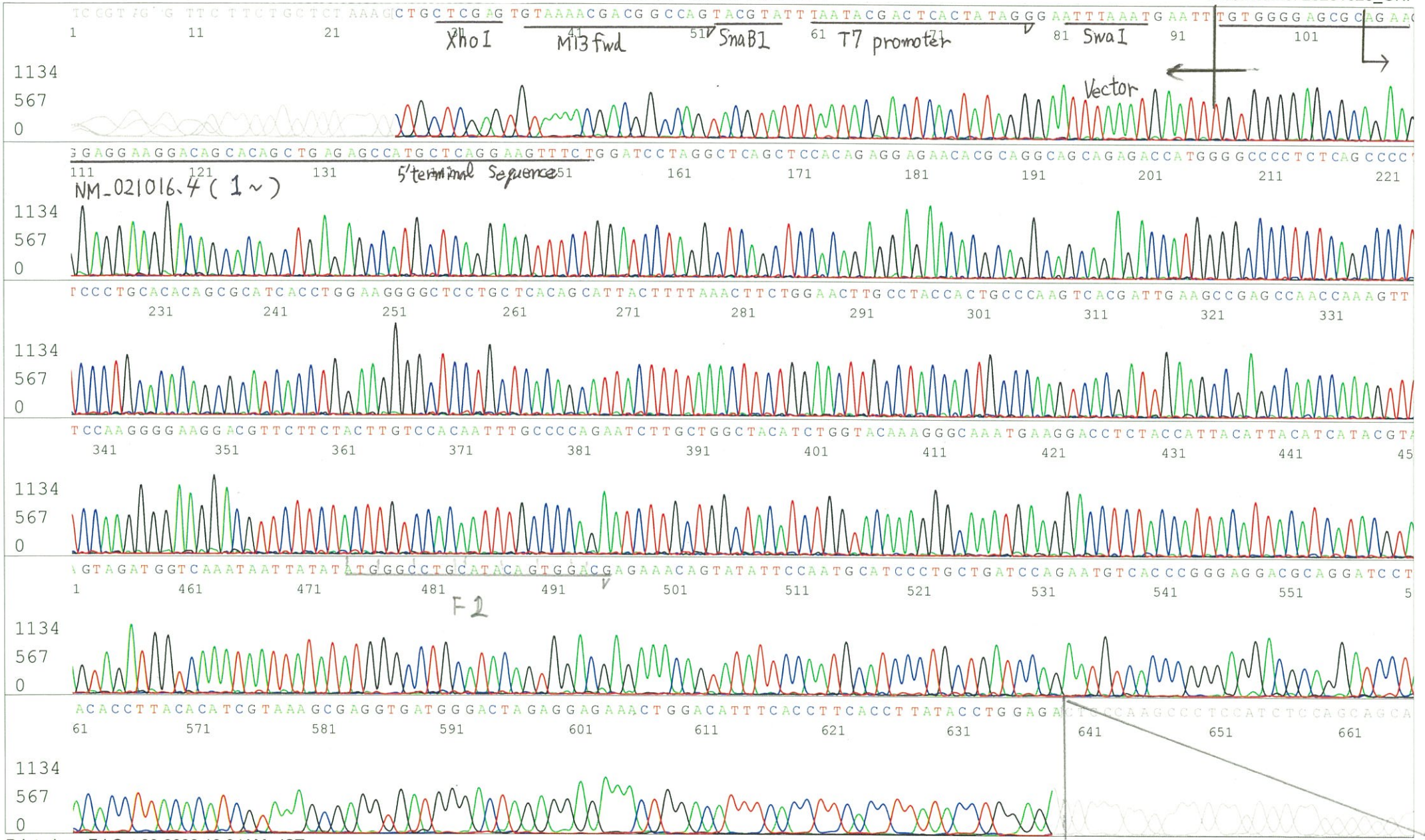
Primer A : pGCAP-F

5' CTCAGTGGATGTTGCCTTTAC 3'

7675_ARi64H02_B0JI_pGCAP_F_A01_01_ABI24
7675_ARi64H02_B0JI_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1850 to 8707 Pk1 Loc:1818
Version 6.0 HiSQV Bases: 674

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Oct 23,2020 09:53AM, JST
Oct 23,2020 10:08AM, JST
Spacing:10.56 Pts/Panel1350
Plate Name: 20201023_GNP



Applied Biosystems

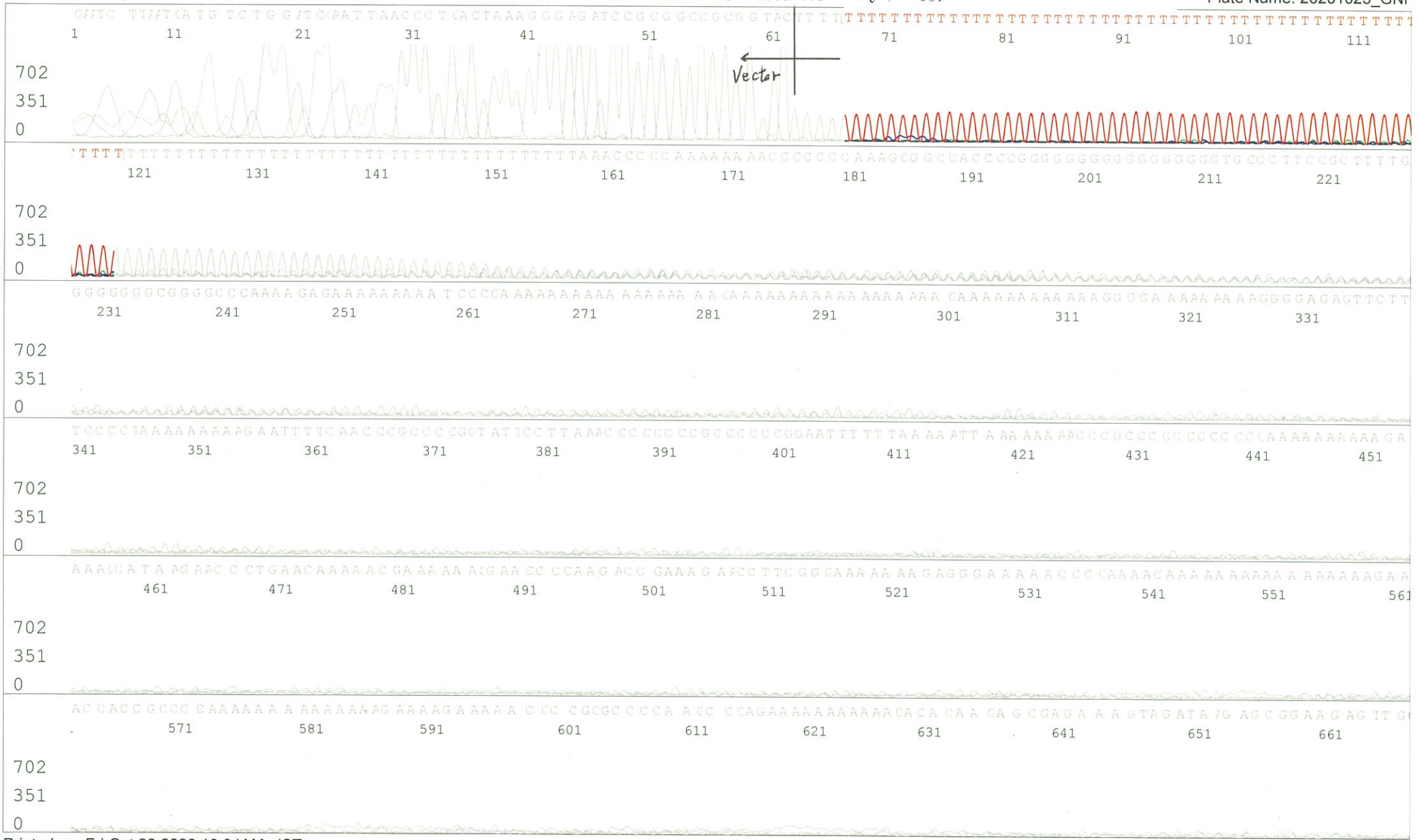
S/N G:16 A:26 T:31 C:19
KB.bcp
KB 1.4.1.8 Cap:4

Primer B : pGCAP-R
5' GCATTCTAGTTGTGGTTTGTCC 3'

7675_ARi64H02_B0JI_pGCAP_R_B01_04_ABI24
7675_ARi64H02_B0JI_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1796 to 8707 Pk1 Loc:1764
Version 6.0 HiSQV Bases: 113

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Oct 23,2020 09:53AM, JST
Oct 23,2020 10:08AM, JST
Spacing:10.74 Pts/Panel1350
Plate Name: 20201023_GNP



Applied Biosystems

S/N G:32 A:48 T:29 C:29
KB.bcp
KB 1.4.1.8 Cap:7

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

7675_ARi64H02_B0JI_GNPmixture_C01_07_ABI24
7675_ARi64H02_B0JI_GNPmixture
KB_3500_POP7_BDTv3.mob
Pts 1775 to 8707 Pk1 Loc:1743
Version 6.0 HiSQV Bases: 664

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Oct 23,2020 09:53AM, JST
Oct 23,2020 10:08AM, JST
Spacing:10.55 Pts/Panel1350
Plate Name: 20201023_GNP

