NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Research Center

RIKEN Clone ID : ARe33H10
Vector : pKA1U5

Lot# : 7672_B0JI

Gene	PSG4	
RefSeq_mRNA	NM_002780.5	2032 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.): 328 ng/ul

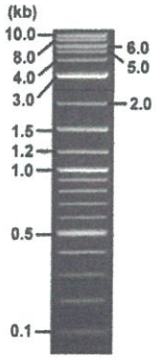
DNA	0.3 ul
Enzyme (BamHI)	1 ul
Buffer H	1 ul
dH_2O	7.7 ul
Total	10 ul

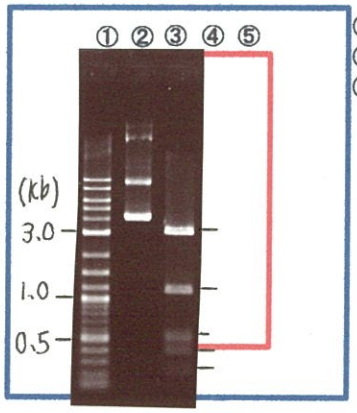
< Size of fragment expected from this clone >

BamHI 3.1kb (vector), 1.1, 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 : 21.02.08

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 (328 ng/ul)	85.0 ul
10x TE	111.5 ul
dH_2O	918.7 ul
Total	1115.2 ul

● Shipping

☑ Conc. : 25 ng/μl, Volume : 40 μl

☐ ~~Conc. : ___ ng/μl, Volume : ___ μl~~

APPROVED BY :

検印 21.2.08 担当

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

Applied Biosystems

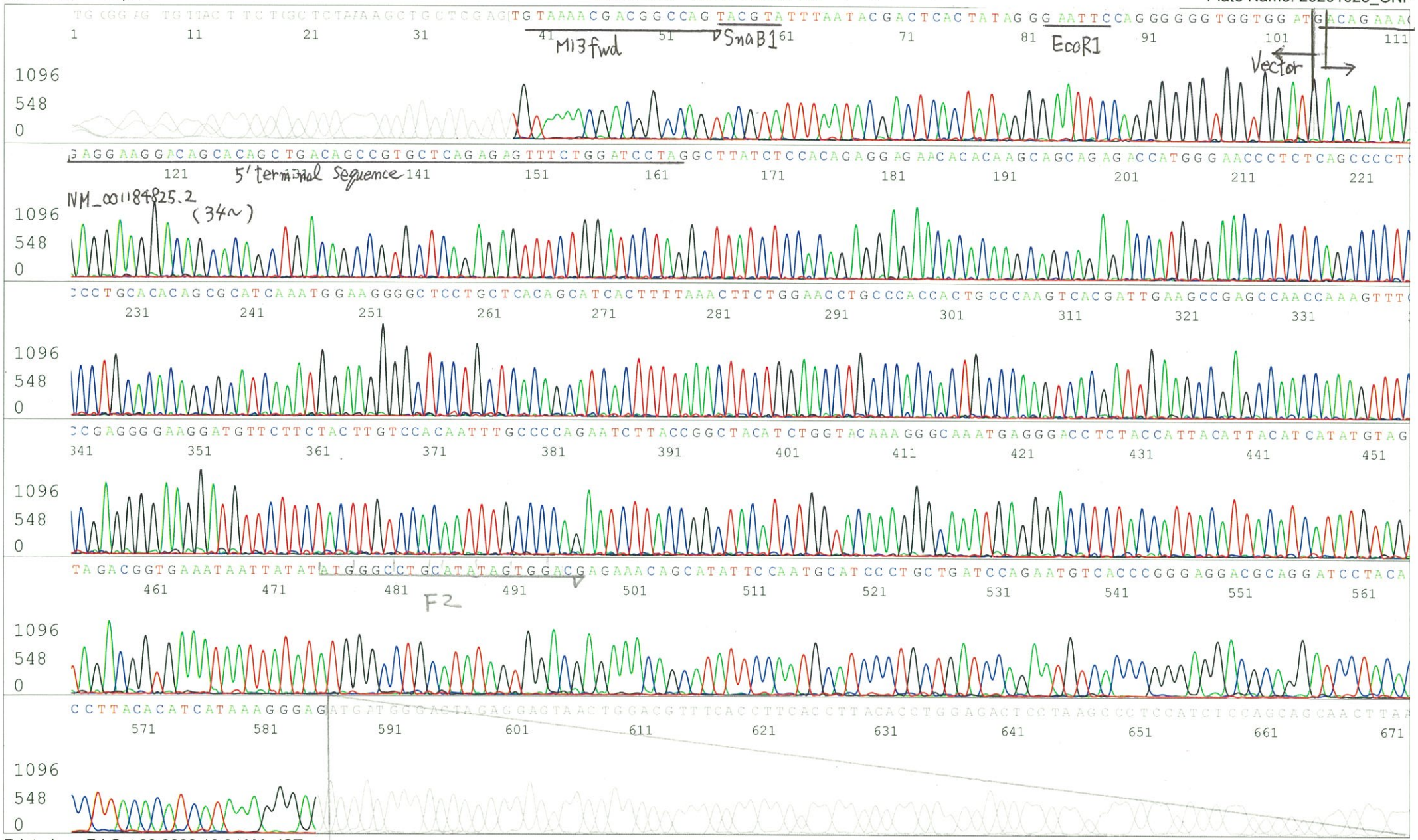
S/N G:159 A:230 T:120 C:200
KB.bcp
KB 1.4.1.8 Cap:10

Primer A : pGCAP-F
5' CTCAGTGGATGTTGCCTTTAC 3'

7672_ARe33H10_B0JI_pGCAP_F_D01_10_ABI24
7672_ARe33H10_B0JI_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1789 to 8707 Pk1 Loc:1757
Version 6.0 HiSQV Bases: 678

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:10.48 Pts/Panel1350
Plate Name: 20201023_GNP



Applied Biosystems

S/N G:54 A:66 T:69 C:55
KB.bcp
KB 1.4.1.8 Cap:13

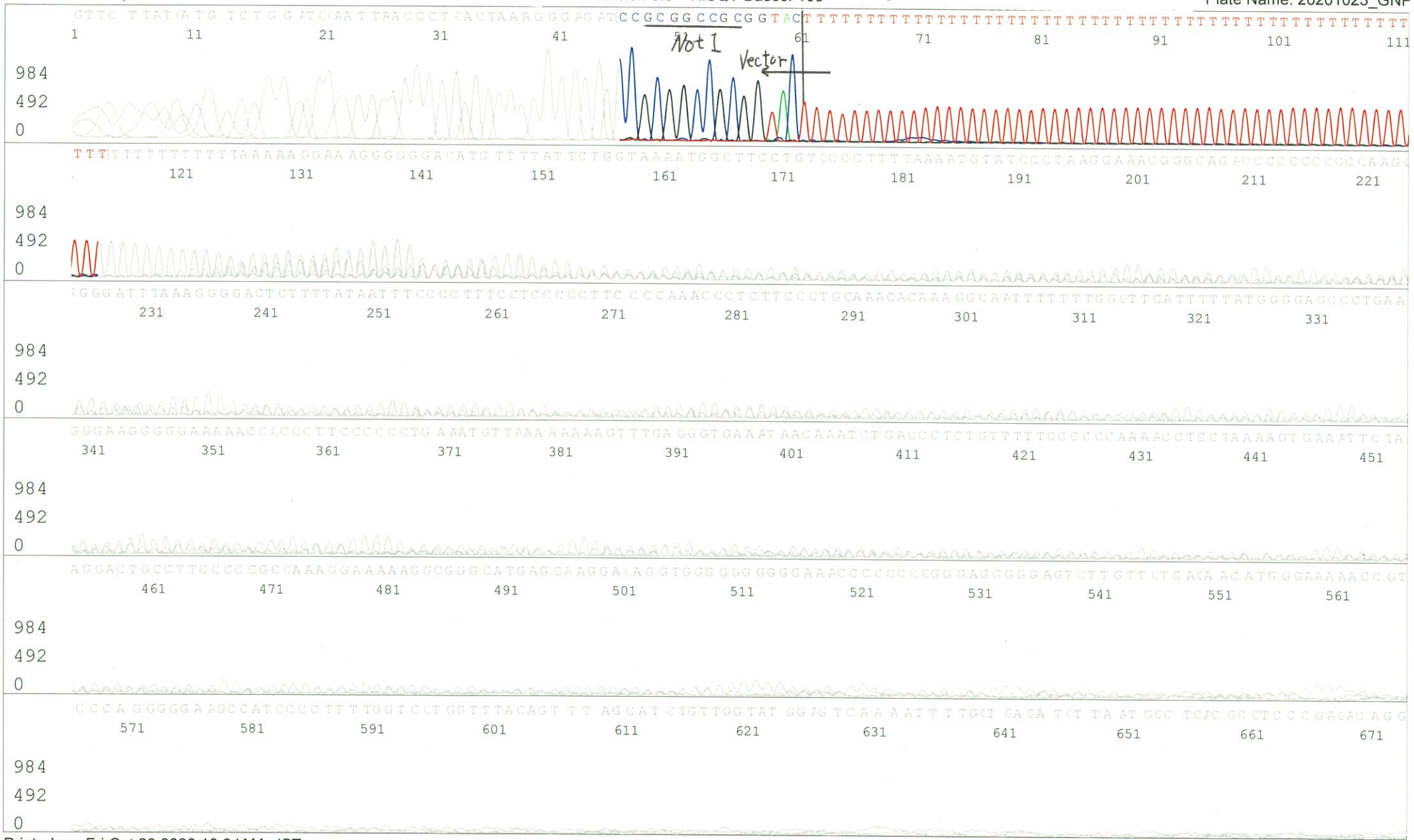
Primer B : pGCAP-R

5' GCATTCTAGTTGTGGTTTGTCC 3'

7672_ARe33H10_B0JI_pGCAP_R_E01_13_ABI24
7672_ARe33H10_B0JI_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1786 to 8707 Pk1 Loc:1754
Version 6.0 HiSQV Bases: 103

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:10.62 Pts/Panel1350
Plate Name: 20201023_GNP



Applied Biosystems

S/N G:10 A:12 T:8 C:9
KB.bcp
KB 1.4.1.8 Cap:16

Primer C : Poly(A) region primer #0

5' TTTTTTTTTTTTTTTTTTTTVNN 3'

7672_ARe33H10_B0JI_GNPmixture_F01_16_ABI24
7672_ARe33H10_B0JI_GNPmixture
KB_3500_POP7_BDTv3.mob
Pts 1765 to 8707 Pk1 Loc:1733
Version 6.0 HiSQV Bases: 296

Inst Model/Name 3500/3500 Instrument
Oct 23,2020 09:53AM, JST
Oct 23,2020 10:08AM, JST
Spacing:10.52 Pts/Panel1350
Plate Name: 20201023_GNP

