NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Research Center

RIKEN_Clone_ID : RBd58G01
Vector : pGCAP10

Lot# : 7677_B1II

Gene	INSM1	
RefSeq_mRNA	NM_002196.3	2846 bp

● Plasmid DNA purification

Date : 21.09.21 Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C O/N

Date : 21.09.22 Purification : QIAGEN Miniprep kit -> dH_2O 100 ul

● Digestion by restriction enzyme/Concentrarion calibration

Date : 21.09.22

DNA concentration (O.D.): 343 ng/ul

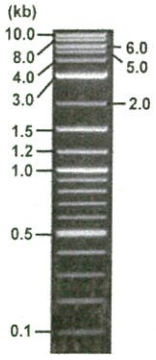
< Size of fragment expected from this clone >

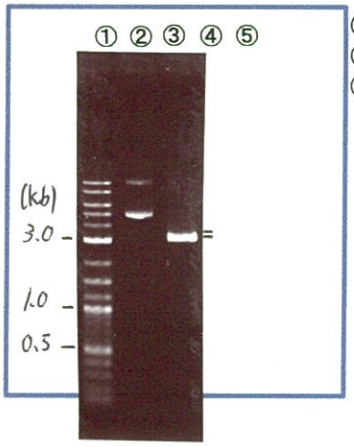
BamHI 3.1kb (vector), 3.0 kb (unsure)

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

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 : 21.11.15

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 : 21.12.7

DNA (343 ng/ul)	74.0 ul
10x TE	101.5 ul
dH_2O	839.7 ul
Total	1015.2 ul

● Shipping

☑ Conc. : 25 ng/μl, Volume : 40 μl

☐ ~~Conc. : ng/μl, Volume : μl~~

APPROVED BY : 確認 21.12.06 笹沼

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

Applied Biosystems

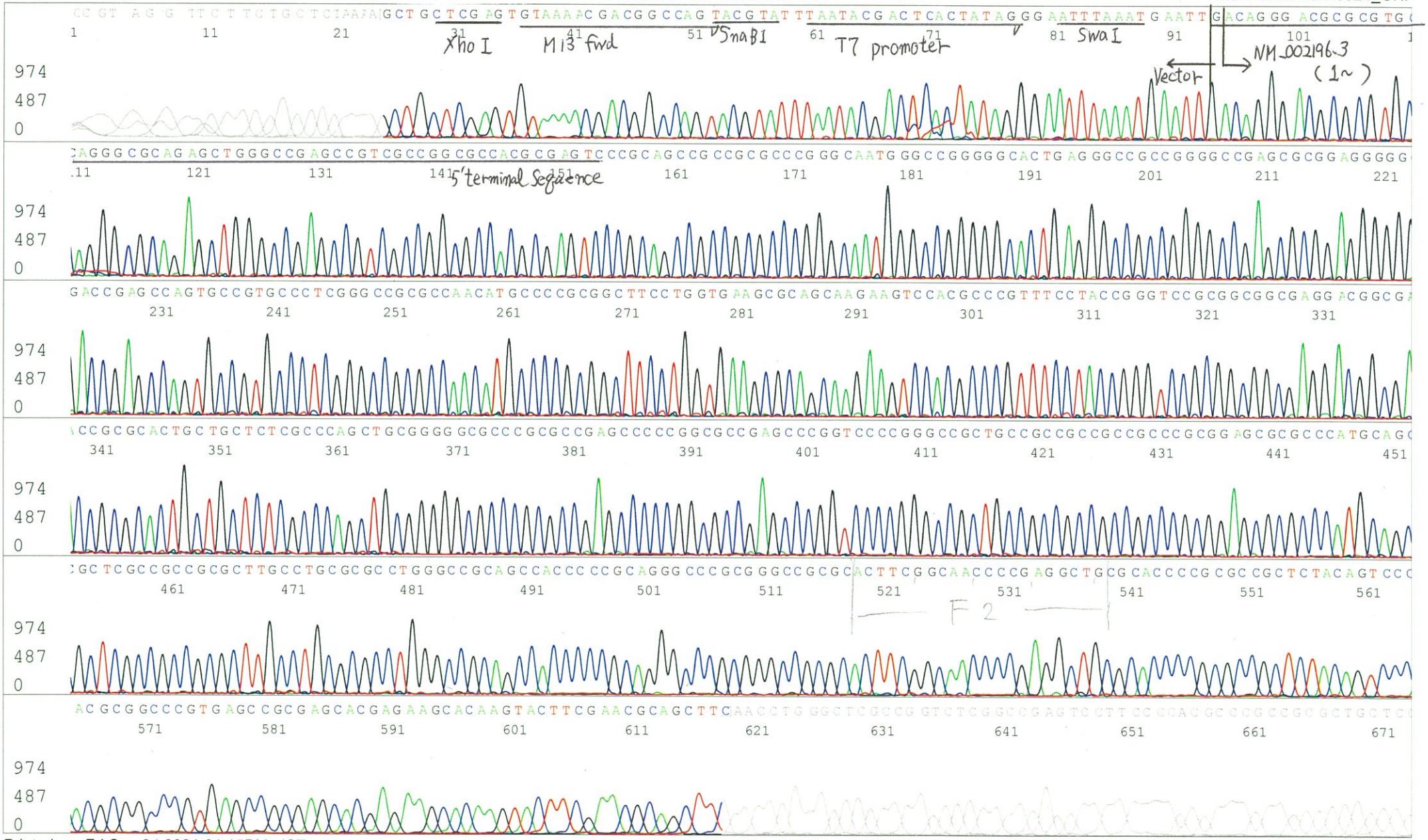
S/N G:274 A:176 T:107 C:3
KB.bcp
KB 1.4.1.8 Cap:1

Primer A : pGCAP-F
5' CTCAGTGGATGTTGCCTTTAC 3'

7677_RBd58G01_B1ll_pGCAP_F_A01_01_ABI08
7677_RBd58G01_B1ll_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1748 to 8701 Pk1 Loc:1716
Version 6.0 HiSQV Bases: 682

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Sep 24,2021 11:54AM, JST
Sep 24,2021 12:09PM, JST
Spacing:10.57 Pts/Panel1350
Plate Name: 20210924_GNP



Applied Biosystems

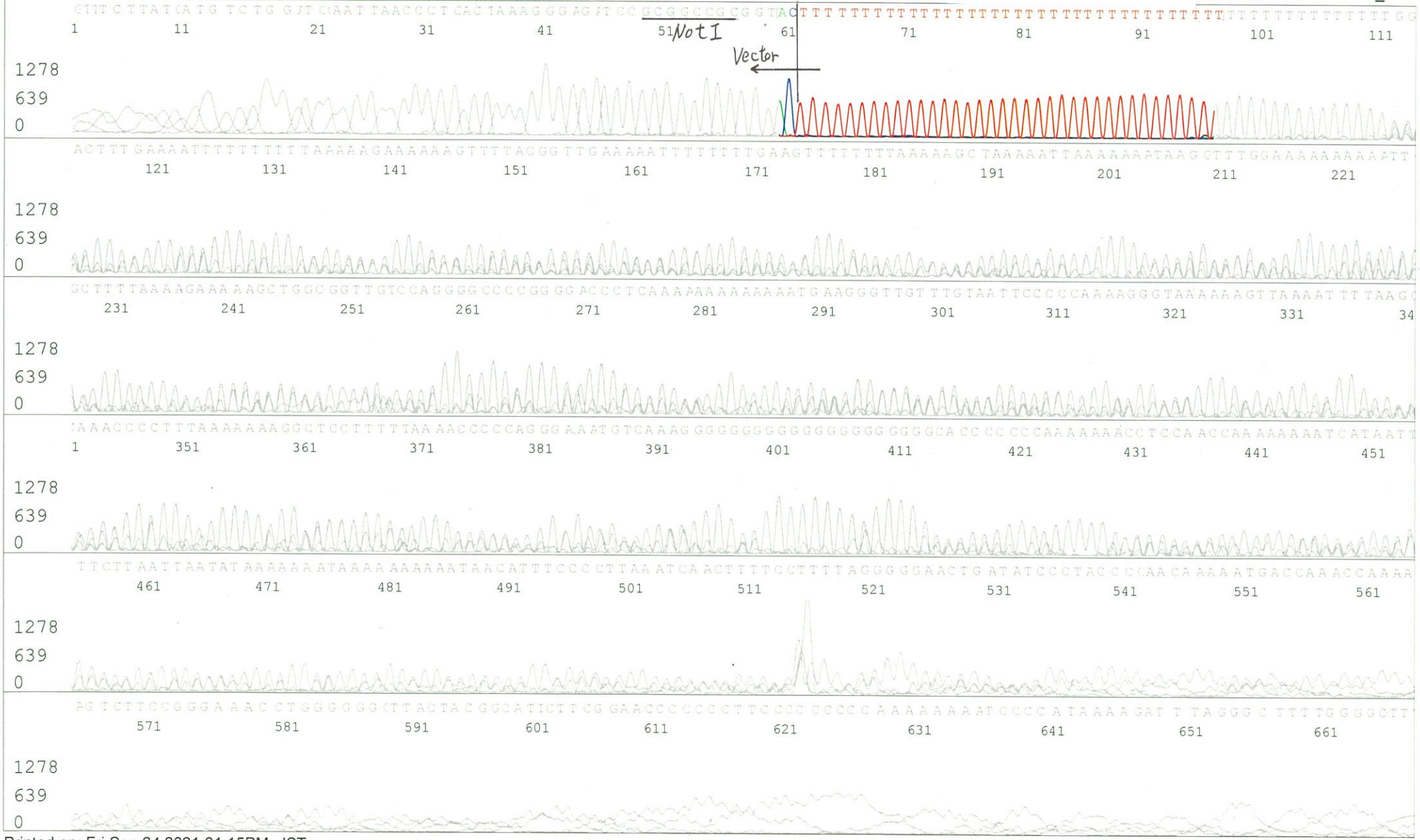
S/N G:32 A:54 T:39 C:38
KB.bcp
KB 1.4.1.8 Cap:2

Primer B : pGCAP-R
5' GCATTCTAGTTGTGGTTTGTCC 3'

7677_RBd58G01_B1ll_pGCAP_R_B01_02_ABI08
7677_RBd58G01_B1ll_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1737 to 8701 Pk1 Loc:1705
Version 6.0 HiSQV Bases: 126

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Sep 24,2021 11:54AM, JST
Sep 24,2021 12:09PM, JST
Spacing:10.57 Pts/Panel1350
Plate Name: 20210924_GNP



Applied Biosystems

S/N G:8 A:13 T:8 C:8
KB.bcp
KB 1.4.1.8 Cap:3

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

7677_RBd58G01_B1II_GNP Mixture_C01_03_ABI08
7677_RBd58G01_B1II_GNP Mixture
KB_3500_POP7_BDTv3.mob
Pts 1720 to 8653 Pk1 Loc:1688
Version 6.0 HiSQV Bases: 506

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Sep 24,2021 11:54AM, JST
Sep 24,2021 12:09PM, JST
Spacing:10.49 Pts/Panel1350
Plate Name: 20210924_GNP

