E3

NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Research Center

Lot# : 7672_B0Cu

RIKEN Clone ID : ARe77H10

Vector : pKA1U5

Gene	EXOG	
RefSeq_mRNA	NM_005107.4	3076 bp

● Plasmid DNA purification

Date : 2020.03.30 Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C O/N

Date : 2020.03.31 Purification : QIAGEN Miniprep kit -> dH_2O 100 ul

● Digestion by restriction enzyme/Concentrarion calibration

Date : 2020.03.31

DNA concentration (O.D.): 278 ng/ul

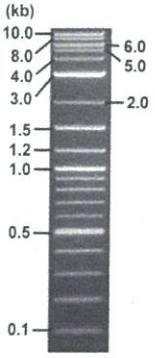
DNA	0.35 ul
Enzyme (BamHI)	1 ul
Buffer H	1 ul
dH_2O	7.65 ul
Total	10 ul

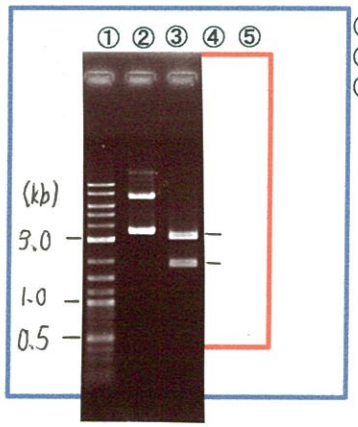
< Size of fragment expected from this clone >

BamHI 3.1kb (vector), 3.2 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 : 2021.03.08

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 : 2021.03.30

DNA (278 ng/ul)	82.0 ul
10x TE	91.1 ul
dH_2O	738.7 ul
Total	911.8 ul

● Shipping

☑ Conc. : 25 ng/μl, Volume : 40 μl

☐ ~~Conc. : ng/μl, Volume : μl~~

APPROVED BY :

確認 21.3.08 笹沼

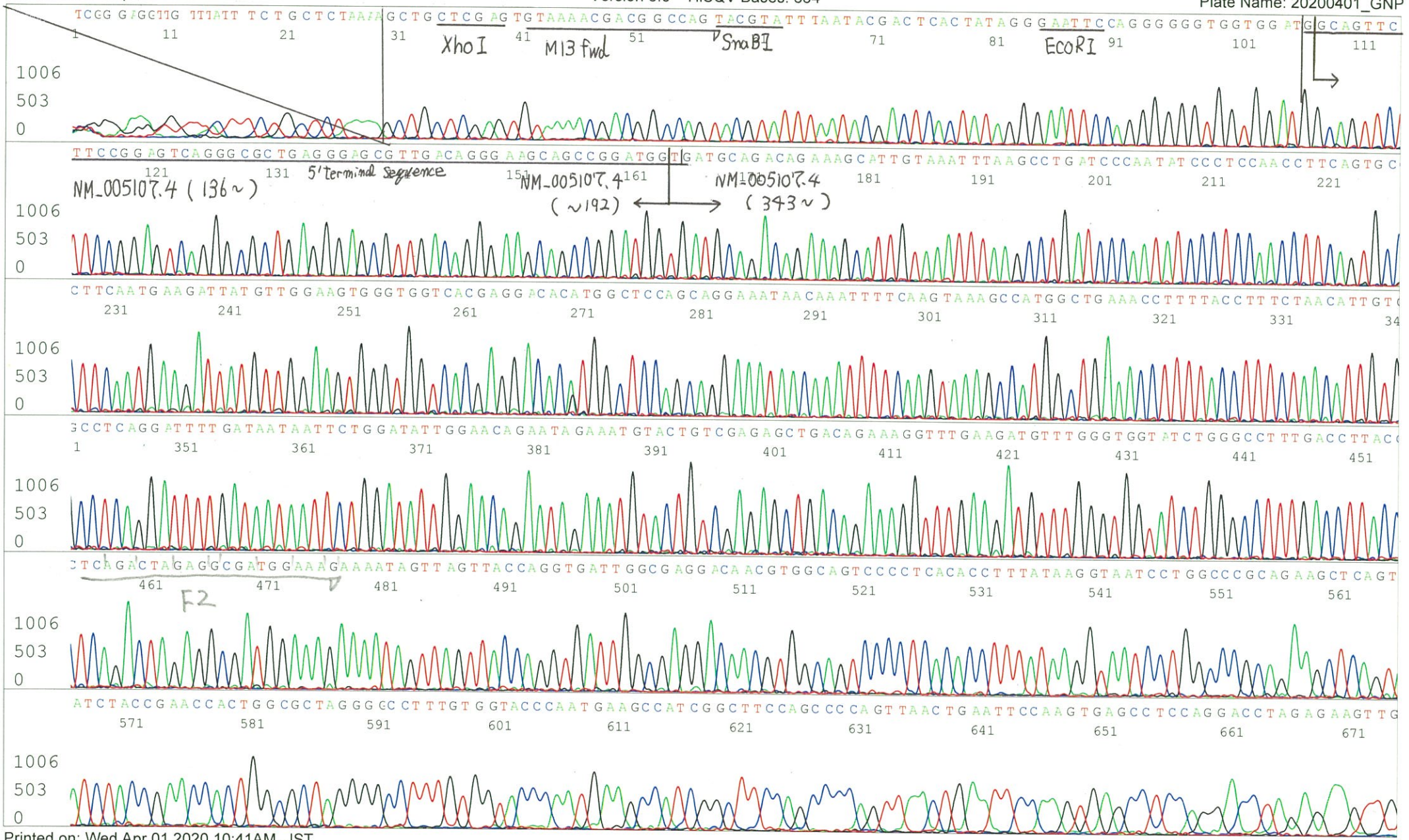
Applied Biosystems

S/N G:46 A:57 T:34 C:50
KB.bcp
KB 1.4.1.8 Cap:19

Primer A : pGCAP-F
5' CTCAGTGGATGTTGCCTTTAC 3'

7672_ARe77H10__B0Cu_pGCAP_F_G01_19_ABI24
7672_ARe77H10__B0Cu_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1748 to 8707 Pk1 Loc:1716
Version 6.0 HiSQV Bases: 684

Inst Model/Name 3500/3500 Instrument
Apr 01,2020 09:51AM, JST
Apr 01,2020 10:14AM, JST
Spacing:10.77 Pts/Panel1350
Plate Name: 20200401_GNP



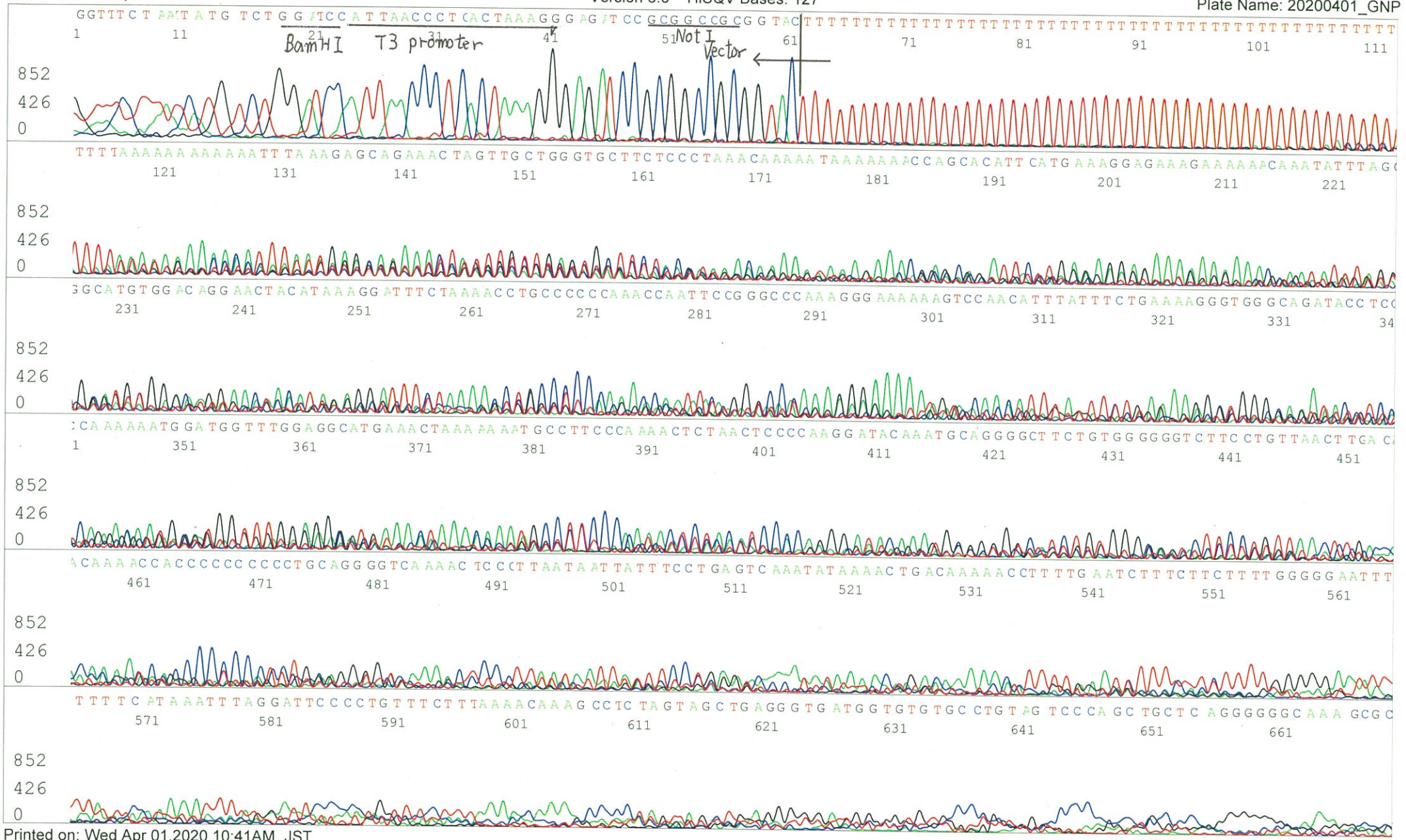
Applied Biosystems

S/N G:18 A:32 T:22 C:23
KB.bcp
KB 1.4.1.8 Cap:22

Primer B : pGCAP-R
5' GCATTCTAGTTGTGGTTTGTCC 3'

7672_ARe77H10__B0Cu_pGCAP_R_H01_22_ABI24
7672_ARe77H10__B0Cu_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1771 to 8500 Pk1 Loc:1739
Version 6.0 HiSQV Bases: 127

Inst Model/Name 3500/3500 Instrument
Apr 01,2020 09:51AM, JST
Apr 01,2020 10:14AM, JST
Spacing:10.73 Pts/Panel1350
Plate Name: 20200401_GNP



Applied Biosystems

S/N G:8 A:10 T:7 C:9
KB.bcp
KB 1.4.1.8 Cap:2

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

7672_ARe77H10__B0Cu_GNPmixture_A02_02_ABI24
7672_ARe77H10__B0Cu_GNPmixture
KB_3500_POP7_BDTv3.mob
Pts 1780 to 8707 Pk1 Loc:1748
Version 6.0 HiSQV Bases: 496

Inst Model/Name 3500/3500 Instrument
Apr 01,2020 09:51AM, JST
Apr 01,2020 10:14AM, JST
Spacing:10.7 Pts/Panel1350
Plate Name: 20200401_GNP

