NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Research Center

Lot# : 6608_B2Cs

RIKEN Clone ID : RBdS040I18

Vector : pGCAP10

Gene	TSC2	
RefSeq_mRNA	NM_000548.5	6415 bp

● Plasmid DNA purification

Date : 22.03.28 Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C O/N

Date : 22.03.30 Purification : QIAGEN Miniprep kit -> dH_2O 100 ul

● Digestion by restriction enzyme/Concentrarion calibration

Date : 22.03.30

DNA concentration (O.D.): 398 ng/ul

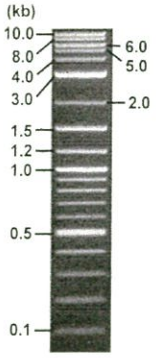
DNA	0.25 ul
Enzyme (BamHI)	1 ul
Buffer H	1 ul
dH_2O	7.75 ul
Total	10 ul

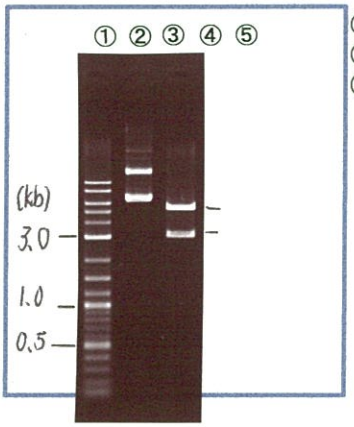
< Size of fragment expected from this clone >

BamHI 3.1kb (vector), 6.6 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 : 22.5.31

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 : 22.06.08

DNA (398 ng/ul)	72.0 ul
10x TE	114.6 ul
dH_2O	959.6 ul
Total	1146.2 ul

● Shipping

☑ Conc. : 25 ng/μl, Volume : 40 μl

☐ ~~Conc. : ng/μl, Volume : μl~~

APPROVED BY : 確認 22.5.31 池治

Applied Biosystems

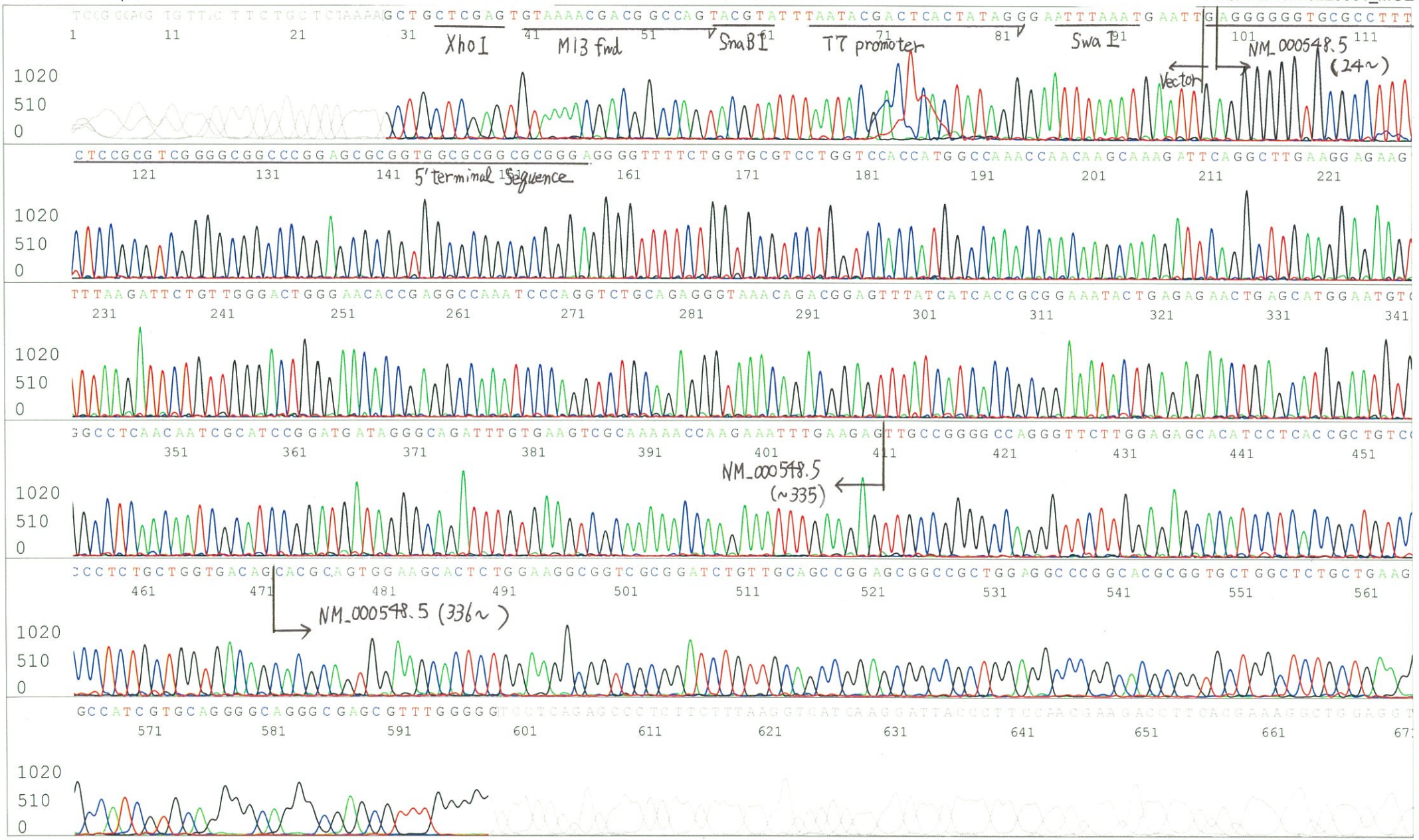
S/N G:299 A:286 T:205 C:301
KB.bcp
KB 1.4.1.8 Cap:3

Primer A : pGCAP-F
5' CTCAGTGGATGTTGCCTTTAC 3'

6608_RBdS040I18_B2Cs_pGCAP_F_A06_03_ABI24
6608_RBdS040I18_B2Cs_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1769 to 8706 Pk1 Loc:1737
Version 6.0 HiSQV Bases: 640

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Mar 31,2022 10:20AM, JST
Mar 31,2022 10:37AM, JST
Spacing:10.77 Pts/Panel1350
Plate Name: 20220331_MGE



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S/N G:85 A:64 T:93 C:78
KB.bcp
KB 1.4.1.8 Cap:6

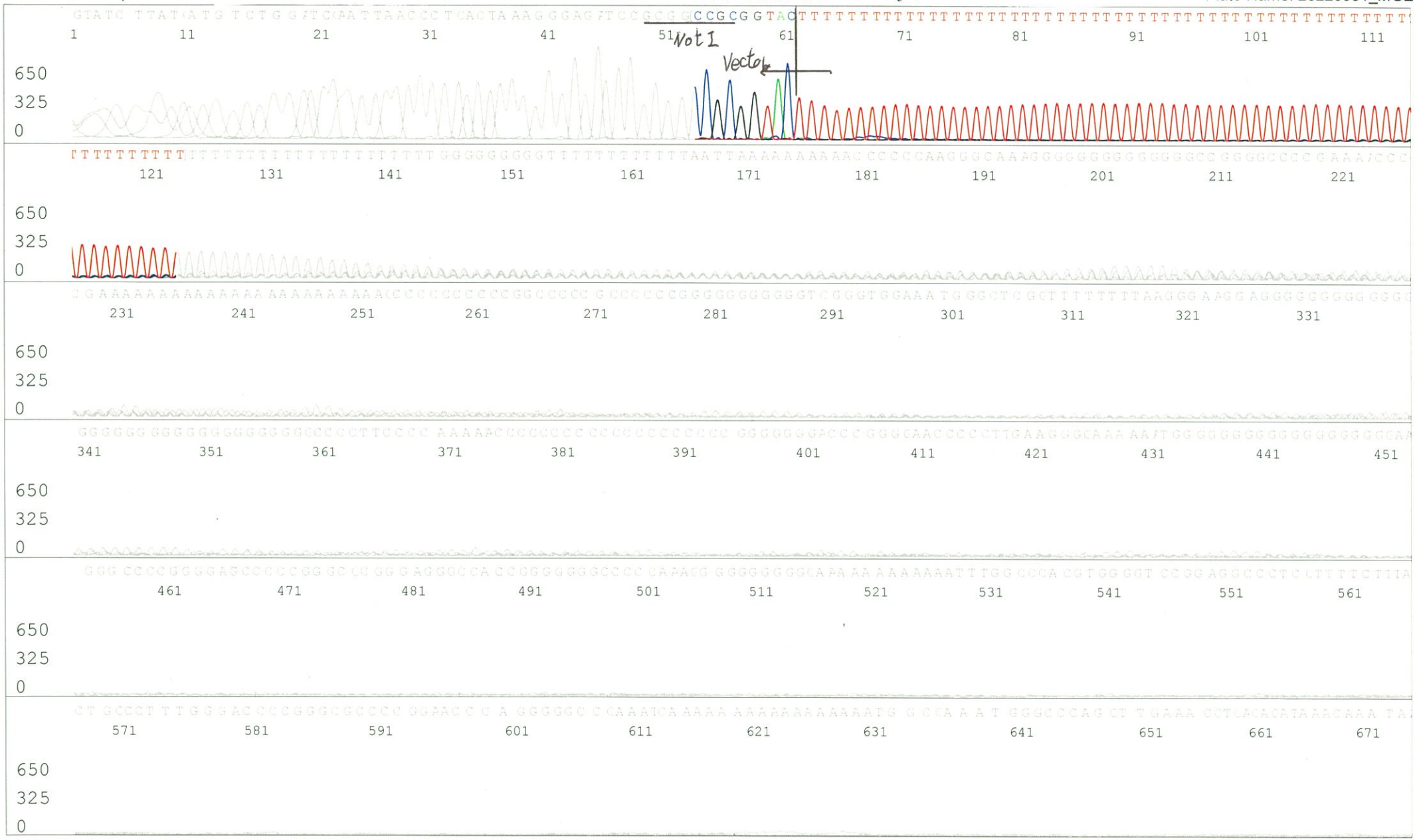
Primer B : pGCAP-R

5' GCATTCTAGTTGTGGTTTGTCC 3'

6608_RBdS040I18_B2Cs_pGCAP_R_B06_06_ABI24
6608_RBdS040I18_B2Cs_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1719 to 8706 Pk1 Loc:1687
Version 6.0 HiSQV Bases: 113

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Mar 31,2022 10:20AM, JST
Mar 31,2022 10:37AM, JST
spacing:11.04 Pts/Panel1350
Plate Name: 20220331_MGE



Applied Biosystems

S/N G:639 A:364 T:219 C:373
KB.bcp
KB 1.4.1.8 Cap:9

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

6608_RBdS040I18_B2Cs_GNPmixture_C06_09_ABI24
6608_RBdS040I18_B2Cs_GNPmixture
KB_3500_POP7_BDTv3.mob
Pts 1711 to 8706 Pk1 Loc:1679
Version 6.0 HiSQV Bases: 650

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Mar 31,2022 10:20AM, JST
Mar 31,2022 10:37AM, JST
Spacing:10.84 Pts/Panel1350
Plate Name: 20220331_MGE

