NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Research Center

RIKEN_Clone_ID : RBdS015F24

Lot# : 6608_B2Cs

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.): 334 ng/ul

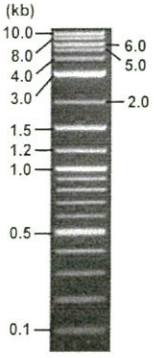
DNA	0.3 ul
Enzyme (BamHI)	1 ul
Buffer H	1 ul
dH_2O	7.7 ul
Total	10 ul

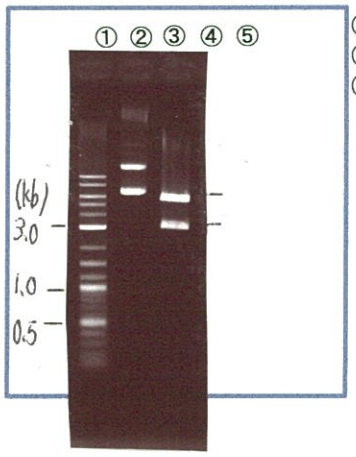
< Size of fragment expected from this clone >

BamHI 3.1kb (vector), 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 :22.06.08

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 : 22.06.10

DNA (334 ng/ul)	75.0 ul
10x TE	100.2 ul
dH_2O	826.8 ul
Total	1002.0 ul

● Shipping

☑ Conc. : 25 ng/μl, Volume : 40 μl

☐ ~~Conc. : ng/μl, Volume : μl~~

APPROVED BY : 確認 22.6.08 笹沼

Applied Biosystems

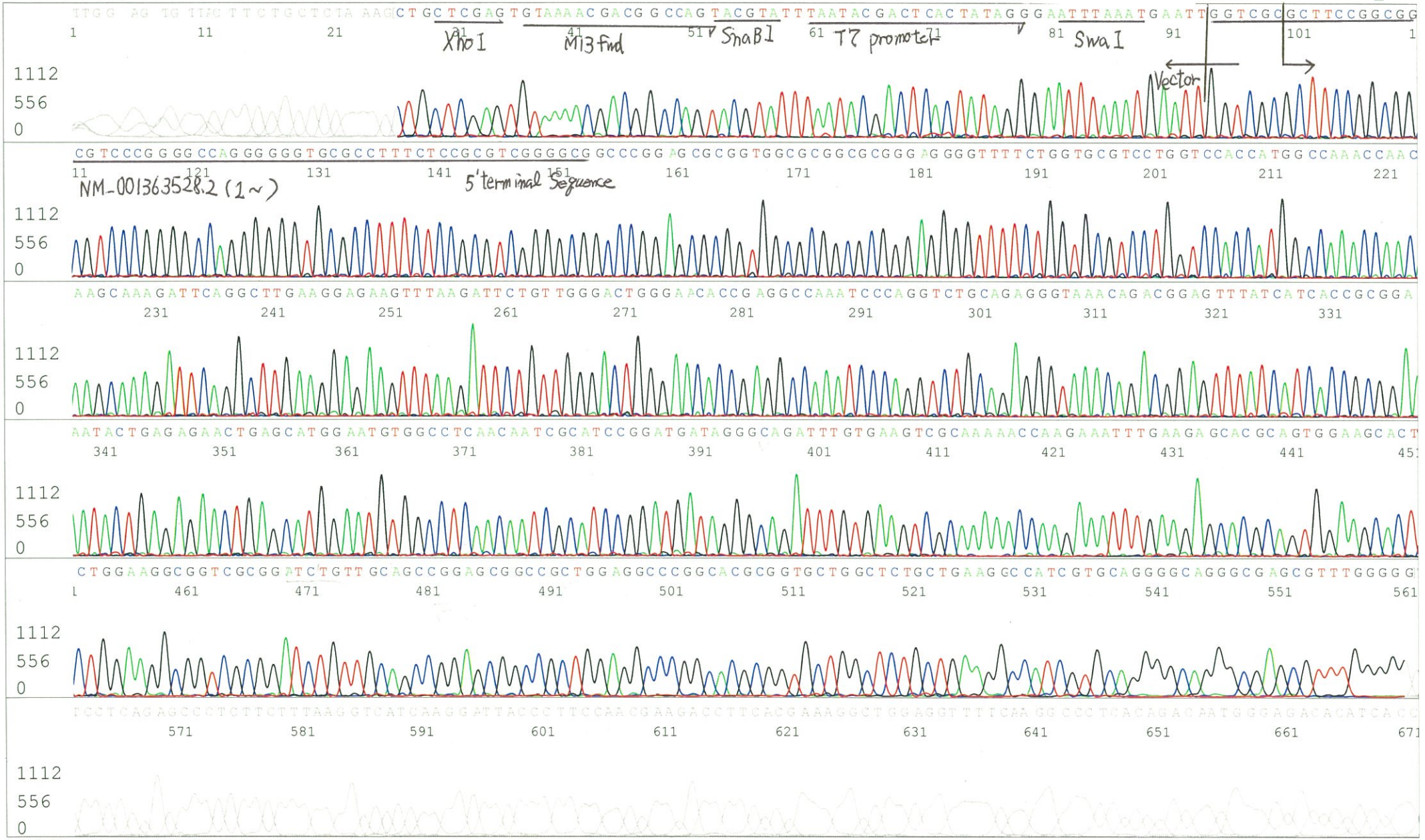
S/N G:597 A:601 T:365 C:671
KB.bcp
KB 1.4.1.8 Cap:14

Primer A : pGCAP-F
5' CTCAGTGGATGTTGCCTTTAC 3'

6608_RBdS015F24_B2Cs_pGCAP_F_E05_14_ABI24
6608_RBdS015F24_B2Cs_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1695 to 8706 Pk1 Loc:1663
Version 6.0 HiSQV Bases: 643

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:10.63 Pts/Panel1350
Plate Name: 20220331_MGE



Applied Biosystems

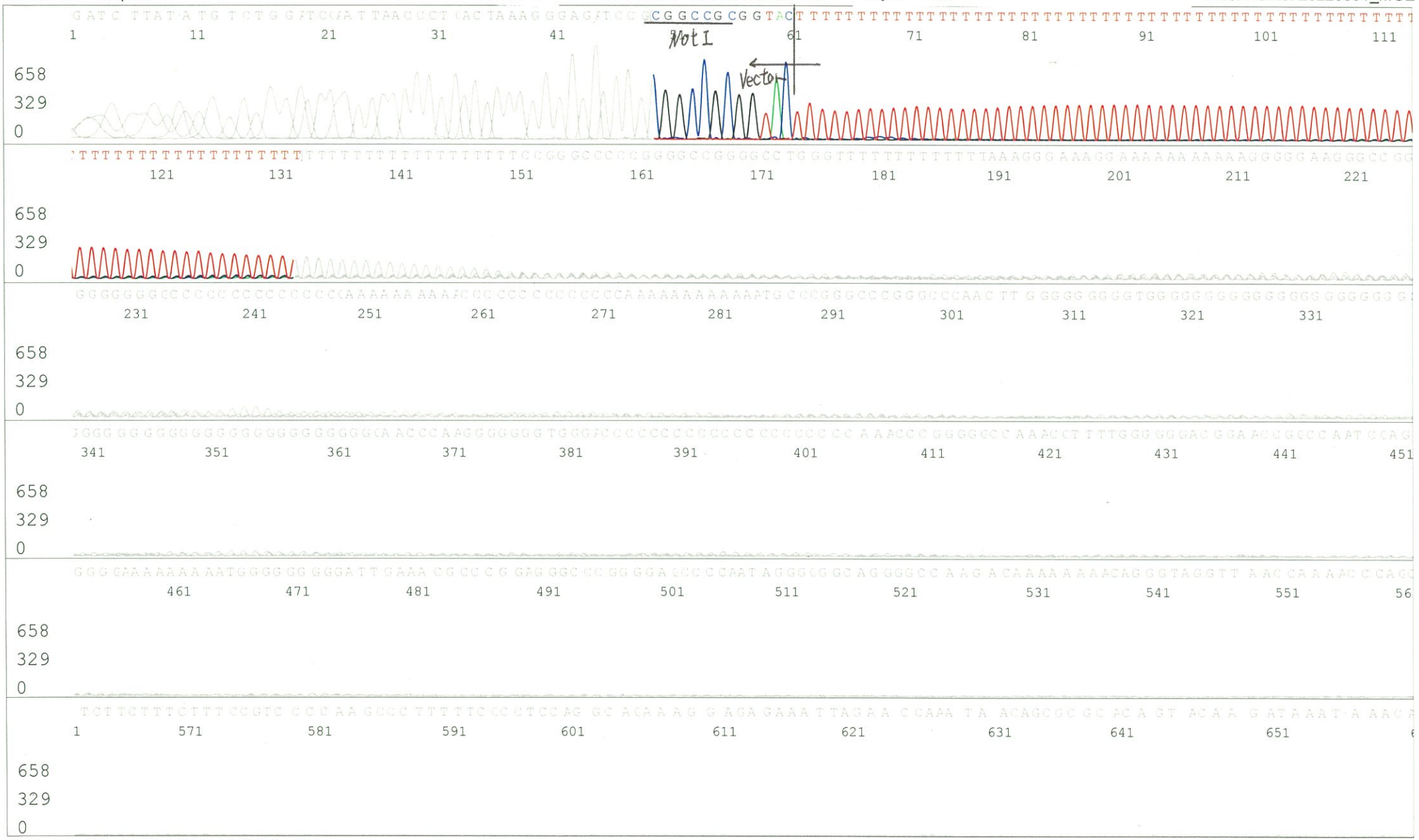
S/N G:92 A:95 T:199 C:145
KB.bcp
KB 1.4.1.8 Cap:17

Primer B : pGCAP-R
5' GCATTCTAGTTGTGGTTTGTCC 3'

6608_RBdS015F24_B2Cs_pGCAP_R_F05_17_ABI24
6608_RBdS015F24_B2Cs_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1692 to 8706 Pk1 Loc:1660
Version 6.0 HiSQV Bases: 121

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:10.9 Pts/Panel1350
Plate Name: 20220331_MGE



Applied Biosystems

S/N G:395 A:220 T:114 C:203
KB.bcp
KB 1.4.1.8 Cap:20

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

6608_RBdS015F24_B2Cs_GNP Mixture_G05_20_ABI24
6608_RBdS015F24_B2Cs_GNP Mixture
KB_3500_POP7_BDTv3.mob
Pts 1696 to 8706 Pk1 Loc:1664
Version 6.0 HiSQV Bases: 644

Inst Model/Name 3500/3500 Instrument
Mar 31,2022 10:20AM, JST
Mar 31,2022 10:37AM, JST
Spacing:10.71 Pts/Panel1350
Plate Name: 20220331_MGE

