NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Center

RIKEN_Clone_ID : ARe24B11

Lot# : 7672_A8B9

Vector : pKA1U5

Gene	TMCO1	
RefSeq_mRNA	NM_019026.4	4478 bp

● Plasmid DNA purification

Date : 180213 Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C O/N

Date : 180215 Purification : QIAGEN Miniprep kit -> dH_2O 100 ul

● Digestion by restriction enzyme/Concentrarion calibration

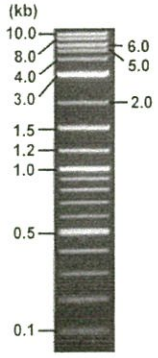
Date : 180215

DNA concentration (O.D.): 75 ng/ul

DNA	1.2 ul
Enzyme (BamHI)	1 ul
Buffer H	1 ul
dH_2O	6.8 ul
Total	10 ul

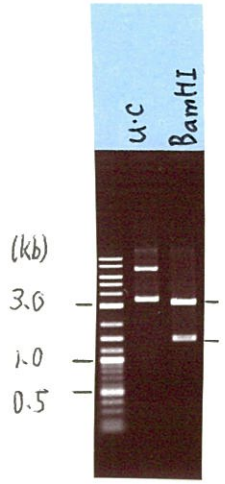
Erectrophoresis : 1% agarose gel, 1x TAE Buffer

Marker : 2-Log DNA Ladder (NEB#N3200L)



< Size of fragment expected from this clone >

BamHI 3.1kb (vector), 4.7 kb (unsure)



● Confirmation of the insertion sequence

Date : 180221

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 : 180228

DNA (75 ng/ul)	76.0 ul
10x TE	22.8 ul
dH_2O	129.2 ul
Total	228.0 ul

● Shipping

☑ Conc. : 25 ng/μl, Volume : 40 μl

☐ ~~Conc. : ng/μl, Volume : μl~~

APPROVED BY : 確認 18.2.28

Applied Biosystems

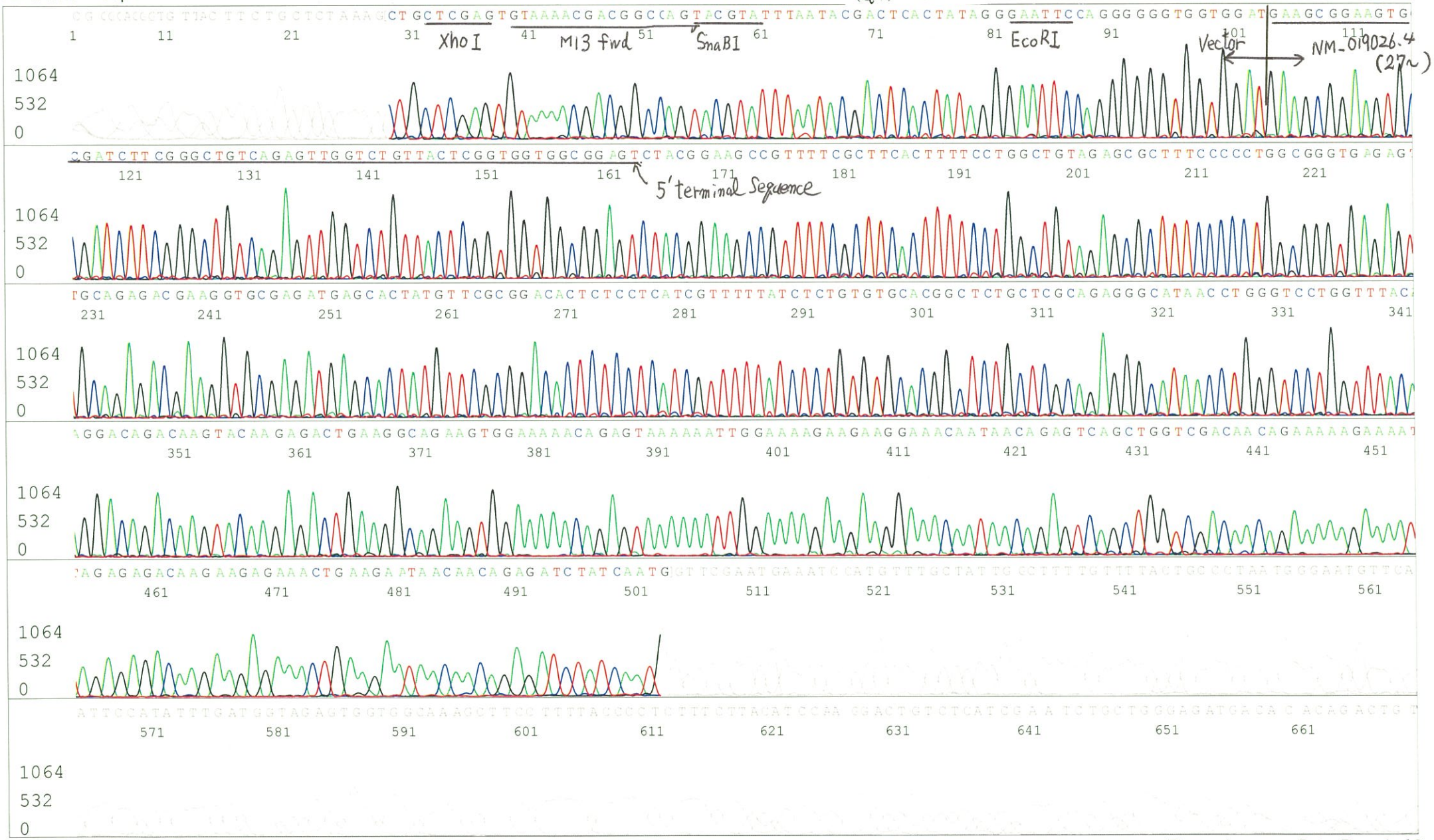
S/N G:99 A:106 T:103 C:144
KB.bcp
KB 1.4.1.8 Cap:7

Primer A : pGCAP-F
5' CTCAGTGGATGTTGCCTTTAC 3'

7672_ARe24B11_A8B9_pGCAP_F_C04_07_ABI24
7672_ARe24B11_A8B9_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1700 to 8392 Pk1 Loc:1668
Version 6.0 HiSQV Bases: 646

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Feb 21,2018 06:24PM, JST
Feb 21,2018 06:41PM, JST
Spacing:10.36 Pts/Panel1350
Plate Name: 20180221_GNP



Applied Biosystems

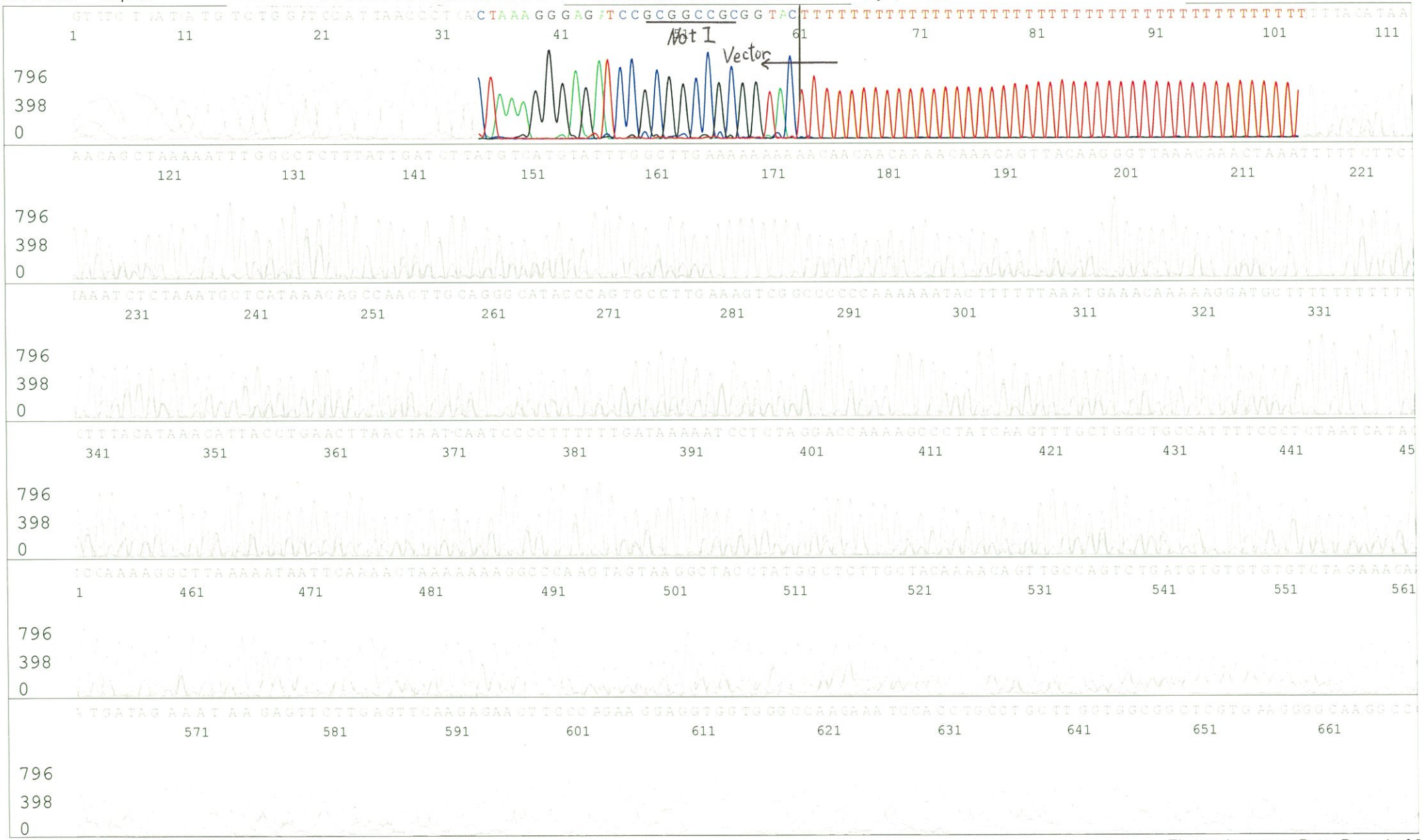
S/N G:62 A:92 T:108 C:110
KB.bcp
KB 1.4.1.8 Cap:10

Primer B : pGCAP-R
5' GCATTCTAGTTGTGGTTTGTCC 3'

7672_ARe24B11_A8B9_pGCAP_R_D04_10_ABI24
7672_ARe24B11_A8B9_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1706 to 8384 Pk1 Loc:1674
Version 6.0 HiSQV Bases: 389

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Feb 21,2018 06:24PM, JST
Feb 21,2018 06:41PM, JST
Spacing:10.23 Pts/Panel1350
Plate Name: 20180221_GNP



Applied Biosystems

S/N G:36 A:51 T:48 C:56
KB.bcp
KB 1.4.1.8 Cap:13

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

7672_ARe24B11_A8B9_GNPmixture_E04_13_ABI24
7672_ARe24B11_A8B9_GNPmixture
KB_3500_POP7_BDTv3.mob
Pts 1685 to 8441 Pk1 Loc:1653
Version 6.0 HiSQV Bases: 647

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Feb 21,2018 06:24PM, JST
Feb 21,2018 06:41PM, JST
Spacing:10.23 Pts/Panel1350
Plate Name: 20180221_GNP

