NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Research Center

RIKEN Clone ID : ARe98E03

Lot# : 7672_A9Cd

Vector : pKA1U5

Gene	MFN2	
RefSeq_mRNA	NM_014874.3	4685 bp

● Plasmid DNA purification

Date : 190312 Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C O/N

Date : 190314 Purification : QIAGEN Miniprep kit -> dH_2O 100 ul

● Digestion by restriction enzyme/Concentrarion calibration

Date : 190314

DNA concentration (O.D.): 228 ng/ul

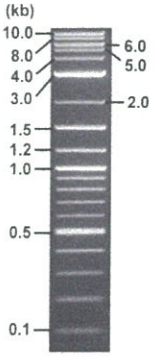
< Size of fragment expected from this clone >

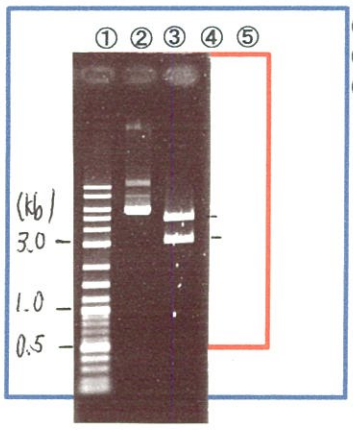
BamHI 3.1kb (vector), 4.9 kb (unsure)

DNA	0.4 ul
Enzyme (BamHI)	1 ul
Buffer H	1 ul
dH_2O	7.6 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 : 19.0315

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 : 21.04.01

DNA (228 ng/ul)	80.0 ul
10x TE	72.9 ul
dH_2O	576.7 ul
Total	729.6 ul

● Shipping

☑ Conc. : 25 ng/μl, Volume : 40 μl

~~Conc. : ng/μl, Volume : μl~~

APPROVED BY :



Applied Biosystems

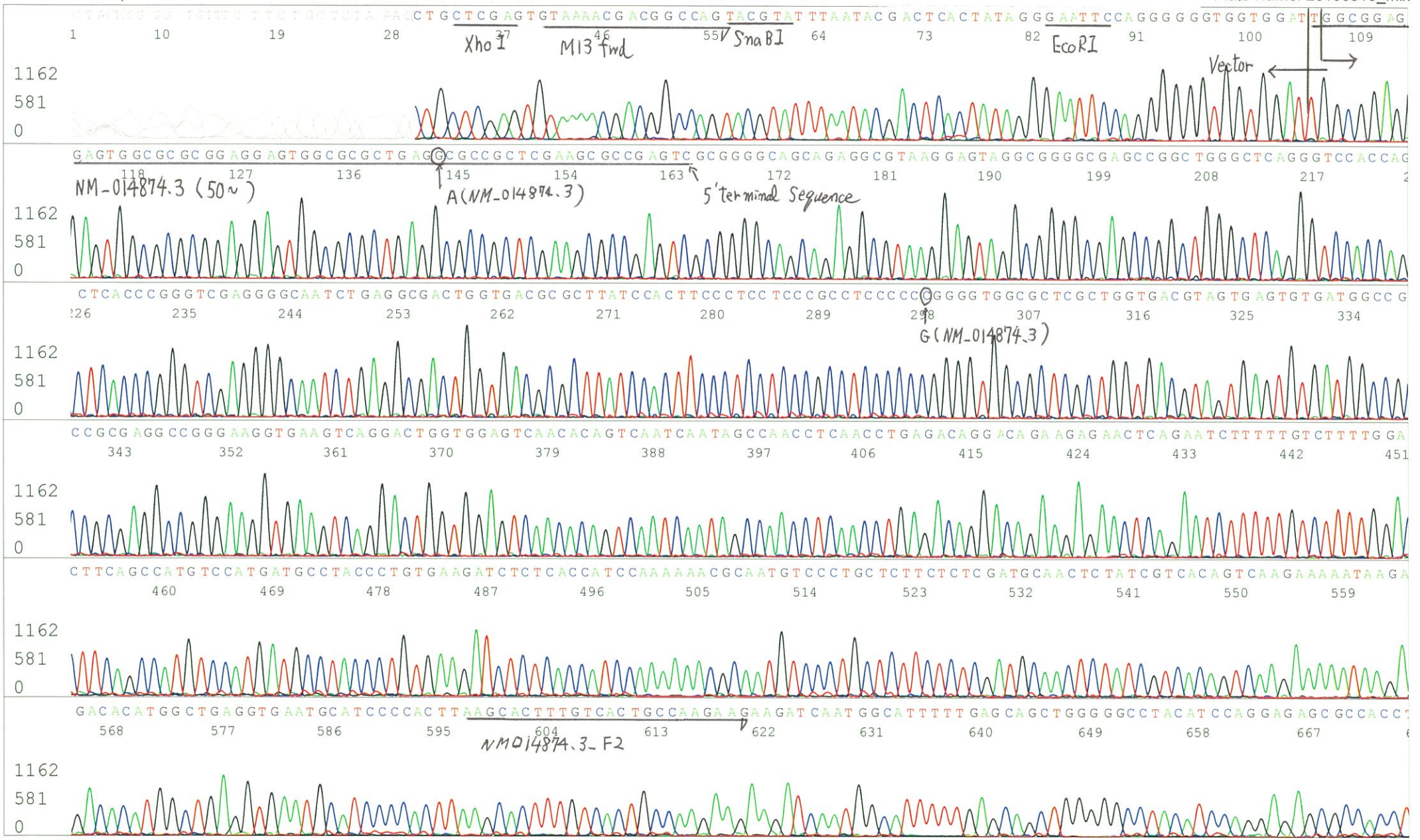
S/N G:54 A:74 T:54 C:83
KB.bcp
KB 1.4.1.8 Cap:18

Primer A : pGCAP-F
5' CTCAGTGGATGTTGCCTTTAC 3'

7672_ARe98E03_A9Cd_pGCAP_F_F03_18_ABI24
7672_ARe98E03_A9Cd_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1449 to 13400 Pk1 Loc:1426
Version 6.0 HiSQV Bases: 1010

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Mar 15,2019 09:43AM, JST
Mar 15,2019 10:10AM, JST
Spacing:11.94 Pts/Panel1350
Plate Name: 20190315_mix



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S/N G:25 A:43 T:29 C:38
KB.bcp
KB 1.4.1.8 Cap:21

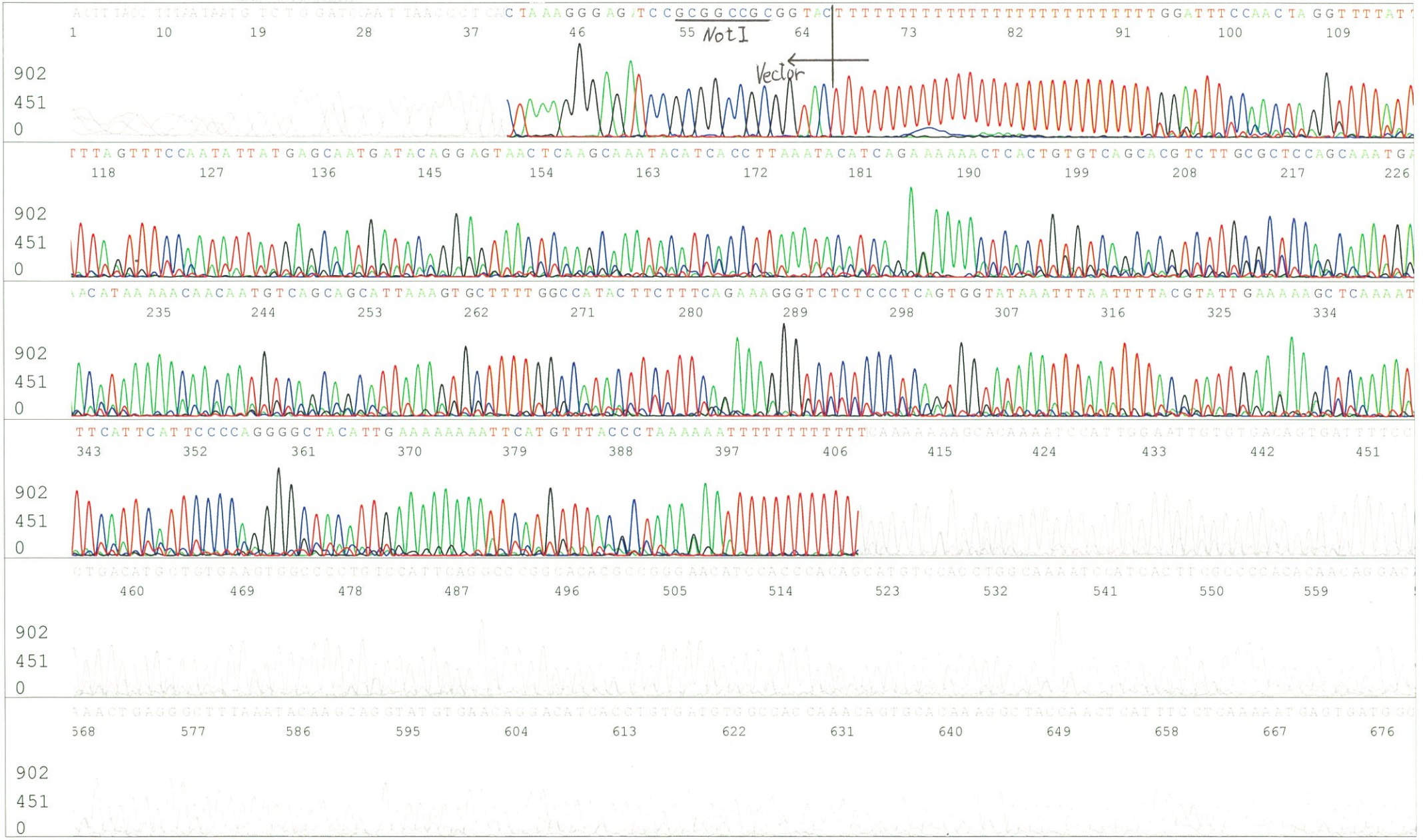
Primer B': pGCAP-R

5' GCATTCTAGTTGTGGTTTGTCC 3'

7672_ARe98E03_A9Cd_pGCAP_R_G03_21_ABI24
7672_ARe98E03_A9Cd_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1465 to 13518 Pk1 Loc:1442
Version 6.0 HiSQV Bases: 890

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Mar 15,2019 09:43AM, JST
Mar 15,2019 10:10AM, JST
Spacing:11.95 Pts/Panel1350
Plate Name: 20190315_mix



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S/N G:51 A:68 T:50 C:74
KB.bcp
KB 1.4.1.8 Cap:24

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

7672_ARe98E03_A9Cd_GNPmixture_H03_24_ABI24
7672_ARe98E03_A9Cd_GNPmixture
KB_3500_POP7_BDTv3.mob
Pts 1461 to 13398 Pk1 Loc:1438
Version 6.0 HiSQV Bases: 989

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Mar 15,2019 09:43AM, JST
Mar 15,2019 10:10AM, JST
Spacing:12.0 Pts/Panel1350
Plate Name: 20190315_mix

