NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Research Center

**RIKEN_Clone_ID : RBd05E01**
Lot# : 7677_B2Ak

Vector : pGCAP10

| Gene | LEMD3 | |
|---|---|---|
| RefSeq_mRNA | NM_014319.5 | 4780 bp |

## ● Plasmid DNA purification

Date : 22.01.19 Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C O/N

Date : 22.01.20 Purification : QIAGEN Miniprep kit -> $dH_2O$ 100 ul

## ● Digestion by restriction enzyme/Concentrarion calibration

Date : 22.01.20

DNA concentration (O.D.): 321 ng/ul

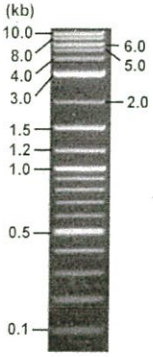
< Size of fragment expected from this clone >

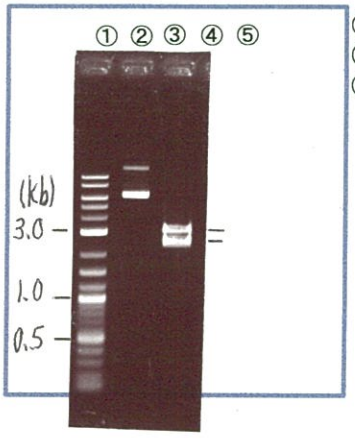
BamHI 3.1kb (vector), 2.6, 2.4 kb (unsure)

| | |
|---|---|
| DNA | 0.3 ul |
| Enzyme (BamHI ) | 1 ul |
| Buffer H | 1 ul |
| $dH_2O$ | 7.7 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 : 22.05.17

| | |
|---|---|
| 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 : 220526

| | |
|---|---|
| DNA (321 ng/ul) | 68.0 ul |
| 10x TE | 87.3 ul |
| $dH_2O$ | 717.8 ul |
| Total | 873.1 ul |

## ● Shipping

☑ Conc. : 25 ng/μl, Volume : 40 μl

☐ ~~Conc. : ng/μl, Volume : μl~~

APPROVED BY :

確認 22.5.17 笹沼

http://dna.brc.riken.jp/index.html

Applied Biosystems

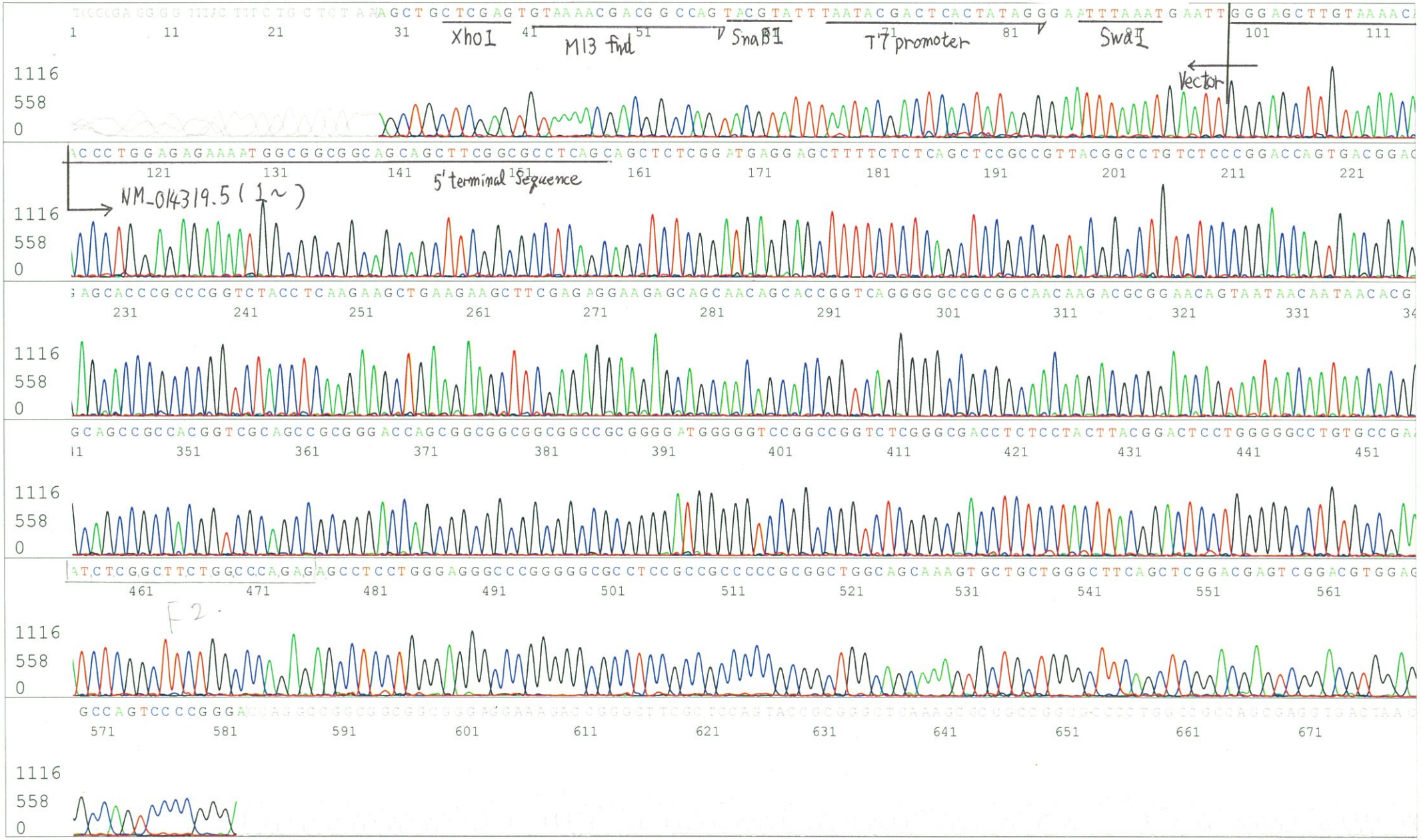
S/N G:128 A:98 T:46 C:89
KB.bcp
KB 1.4.1.8 Cap:3

Primer A : pGCAP-F
5' CTCAGTGGATGTTGCCTTTAC 3'

7677_RBd05E01_B2Ak_pGCAP_F_C02_03_ABI08
7677_RBd05E01_B2Ak_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1726 to 8702 Pk1 Loc:1694
Version 6.0 HiSQV Bases: 690

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Jan 21,2022 02:50PM, JST
Jan 21,2022 03:07PM, JST
Spacing:10.54 Pts/Panel1350
Plate Name: 20220121_GNP



Applied Biosystems

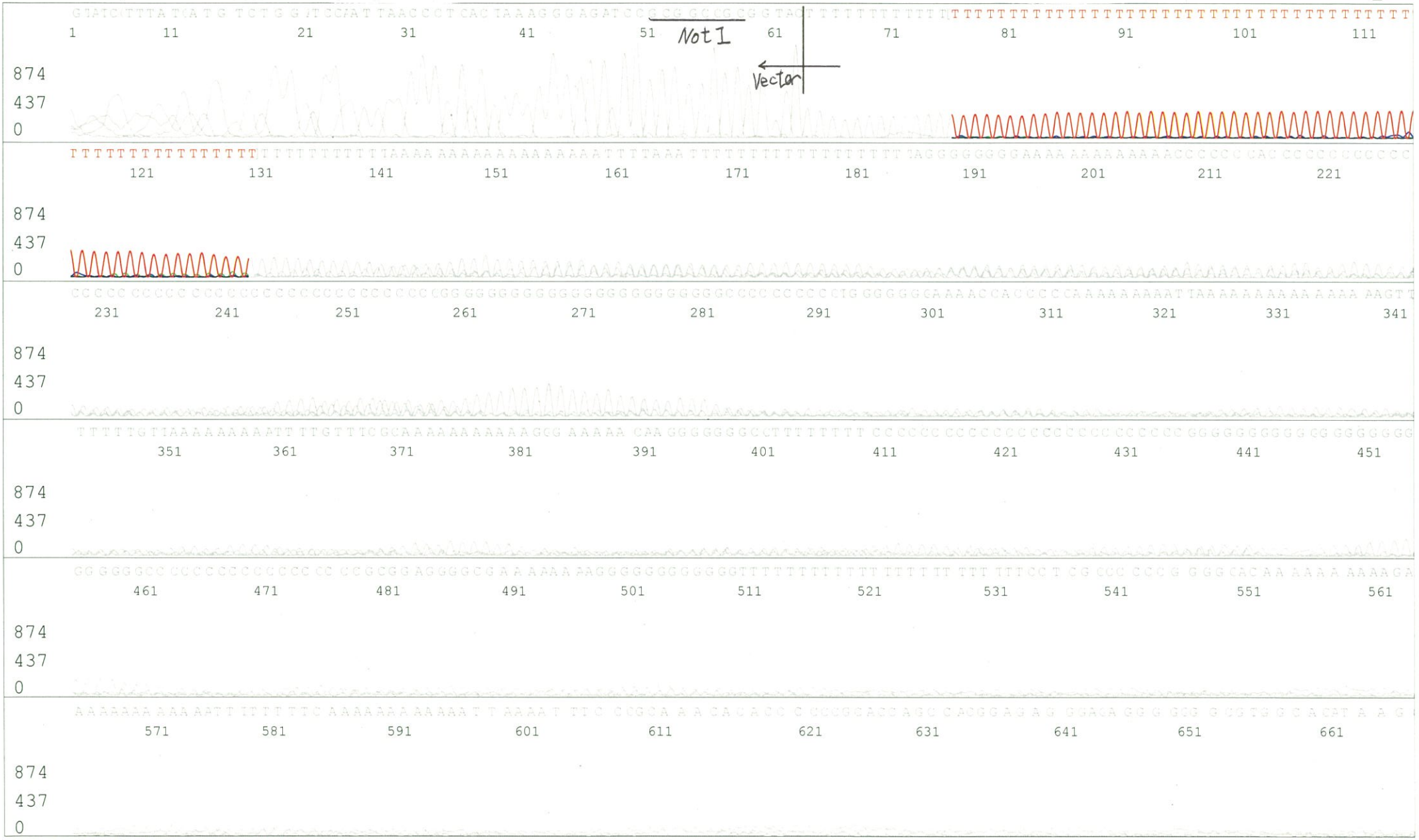
S/N G:15 A:19 T:17 C:11
KB.bcp
KB 1.4.1.8 Cap:4

Primer B : pGCAP-R
5' GCATTCTAGTTGTGGTTTGTCC 3'

7677_RBd05E01_B2Ak_pGCAP_R_D02_04_ABI08
7677_RBd05E01_B2Ak_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1732 to 8702 Pk1 Loc:1700
Version 6.0 HiSQV Bases: 130

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Jan 21,2022 02:50PM, JST
Jan 21,2022 03:07PM, JST
Spacing:10.82 Pts/Panel1350
Plate Name: 20220121_GNP



Applied Biosystems

S/N G:12 A:13 T:8 C:8
KB.bcp
KB 1.4.1.8 Cap:13

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

7677_RBd05E01_B2Ak_GNP Mixture_E01_13_ABI24
7677_RBd05E01_B2Ak_GNP Mixture
KB_3500_POP7_BDTv3.mob
Pts 1687 to 8706 Pk1 Loc:1655
Version 6.0 HiSQV Bases: 479

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Jan 20,2022 03:25PM, JST
Jan 20,2022 03:40PM, JST
Spacing:10.97 Pts/Panel1350
Plate Name: 20220120_mix

