NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Center

Lot# : 7672_A7Ga

RIKEN_Clone_ID : ARe23F03

Vector : pKA1U5

Gene	TGFBI	
RefSeq_mRNA	NM_000358.2	2805 bp
	CDS	2052 bp
5' position		94

● Plasmid DNA purification

Date : 170711 Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C O/N

Date : 170712 Purification : QIAGEN Miniprep kit -> dH_2O 100 ul

● Digestion by restriction enzyme/Concentrarion calibration

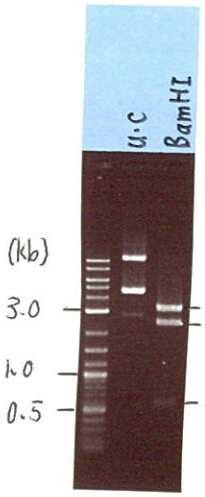
Date : 170712

DNA concentration (O.D.): 231 ng/ul

DNA	0.4 ul
Enzyme (BamHI)	1 ul
Buffer H	1 ul
dH_2O	7.6 ul
Total	10 ul

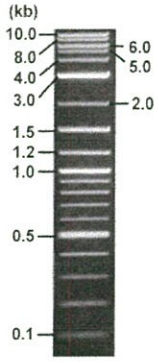
< Size of fragment expected from this clone >

BamHI 3.1kb (vector), 2.3, 0.6 kb (unsure)



Erectrophoresis : 1% agarose gel, 1x TAE Buffer

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



● Confirmation of the insertion sequence

Date : 170713

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 : 170719

DNA (231 ng/ul)	85.0 ul
10x TE	78.5 ul
dH_2O	621.9 ul
Total	785.4 ul

● Shipping

☑ Conc. : 25 ng/μl, Volume : 40 μl

☐ ~~Conc. : ng/μl, Volume : μl~~

APPROVED BY : 確認 17.7.18 笹沼

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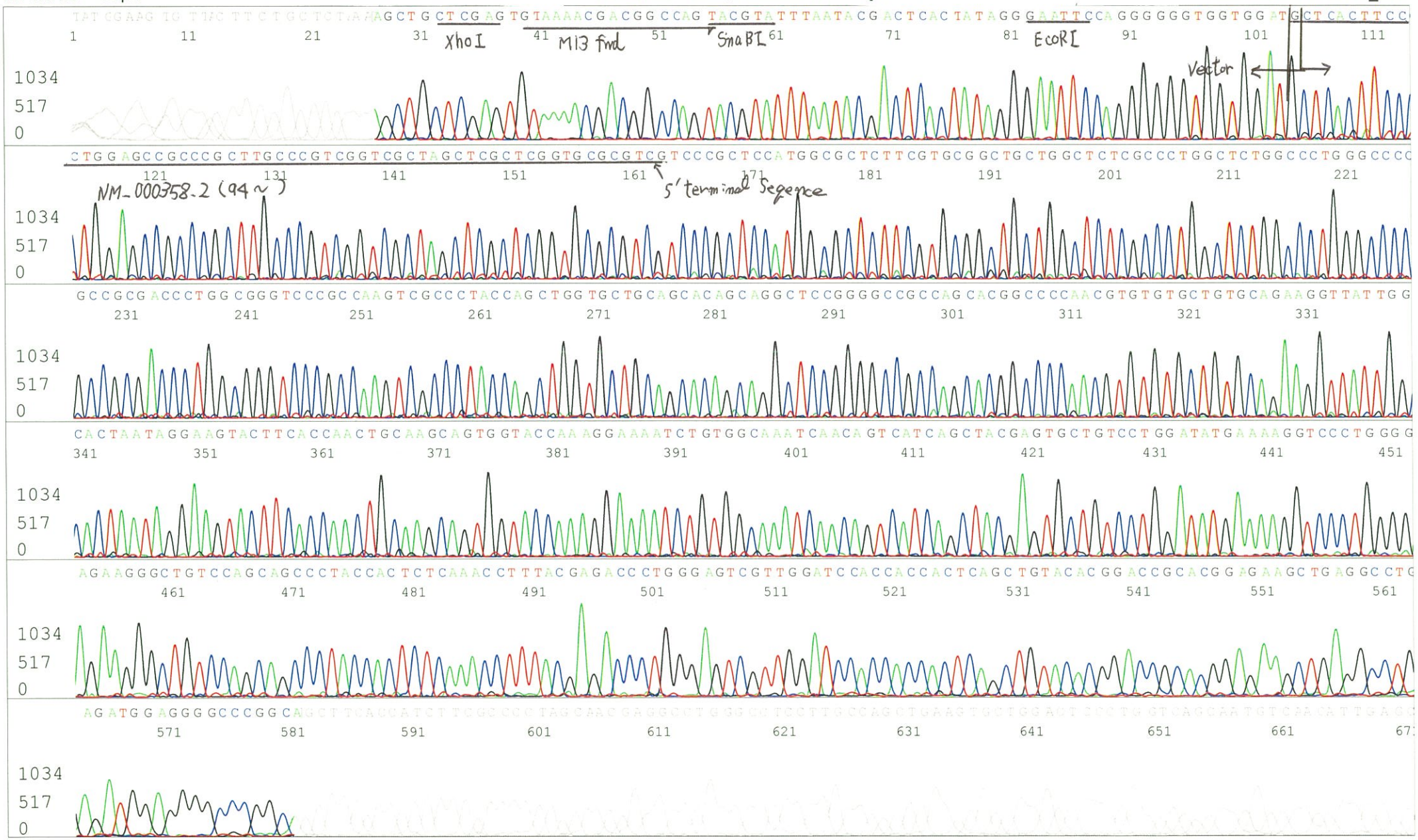
S/N G:78 A:60 T:65 C:105
KB.bcp
KB 1.4.1.8 Cap:1

Primer A : pGCAP-F
5' CTCAGTGGATGTTGCCTTTAC 3'

7672_ARe23F03_A7Ga_pGCAP_F_A04_01_ABI24
7672_ARe23F03_A7Ga_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1749 to 8706 Pk1 Loc:1717
Version 6.0 HiSQV Bases: 711

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Jul 13,2017 03:58PM, JST
Jul 13,2017 04:14PM, JST
Spacing:10.67 Pts/Panel1350
Plate Name: 20170713_GNP



Applied Biosystems

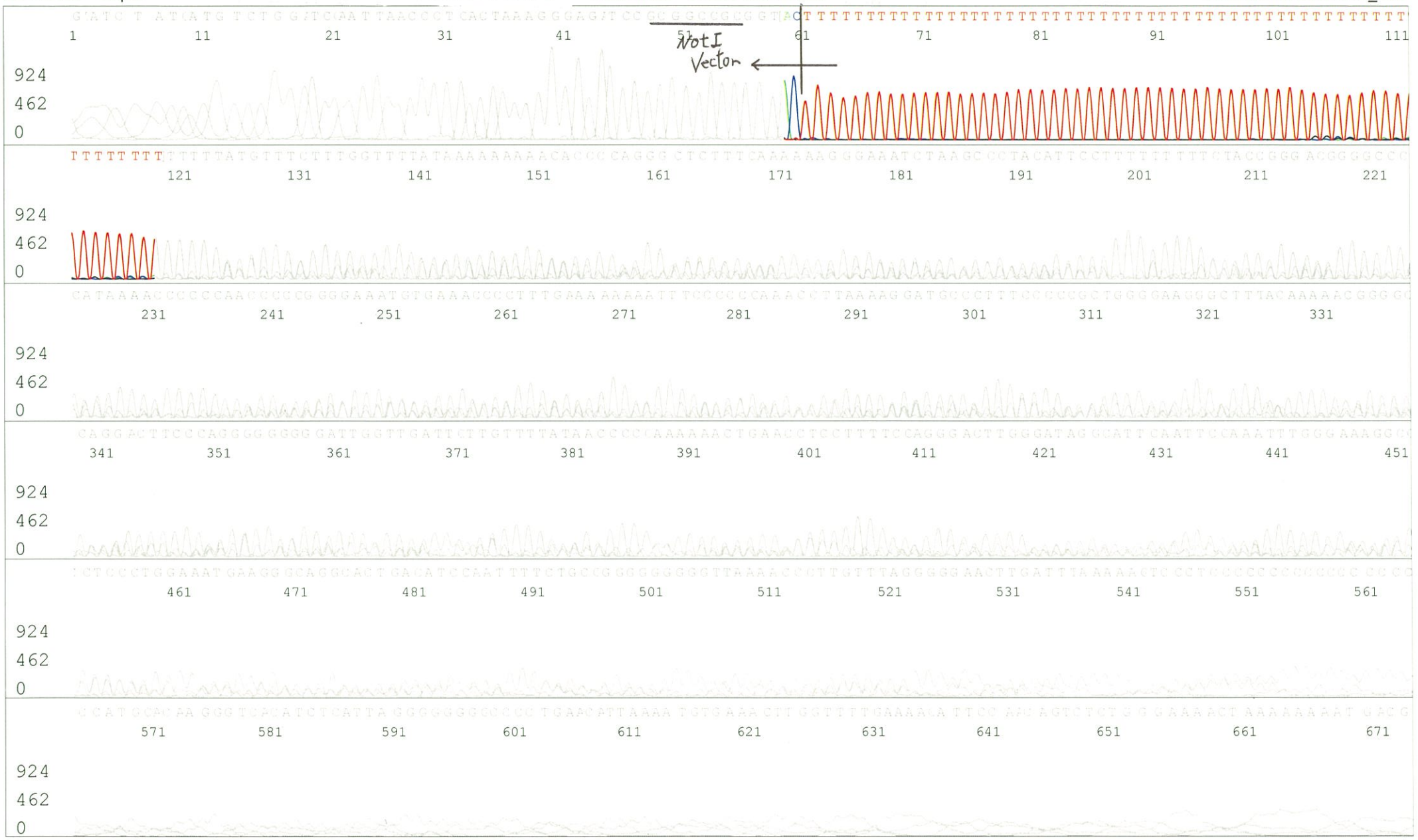
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7672_ARe23F03_A7Ga_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1745 to 8706 Pk1 Loc:1713
Version 6.0 HiSQV Bases: 269

Inst Model/Name 3500/3500 Instrument
Jul 13,2017 03:58PM, JST
Jul 13,2017 04:14PM, JST
Spacing:10.61 Pts/Panel1350
Plate Name: 20170713_GNP

S/N G:117 A:129 T:193 C:181
KB.bcp
KB 1.4.1.8 Cap:4

Primer B : pGCAP-R
5' GCATTCTAGTTGTGGTTTGTCC 3'

Gray line indicates quality value (QV) < 40.



Applied Biosystems

7672_ARe23F03_A7Ga_GNPmixture_C04_07_ABI24
7672_ARe23F03_A7Ga_GNPmixture
KB_3500_POP7_BDTv3.mob
Pts 1728 to 8668 Pk1 Loc:1696
Version 6.0 HiSQV Bases: 599

Inst Model/Name 3500/3500 Instrument
Jul 13,2017 03:58PM, JST
Jul 13,2017 04:14PM, JST
Spacing:10.7 Pts/Panel1350
Plate Name: 20170713_GNP

S/N G:11 A:10 T:11 C:13
KB.bcp
KB 1.4.1.8 Cap:7

Primer C : Poly(A) region primer #0

5' TTTTTTTTTTTTTTTTTTTTNNN 3'

Gray line indicates quality value (QV) < 40.

