NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Research Center

RIKEN_Clone_ID : RBdS154I20
Lot# : 6608_B2Ap

Vector : pGCAP10

Gene	TTF1	
RefSeq_mRNA	NM_007344.4	3143 bp

● Plasmid DNA purification

Date : 22.01.25 Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C O/N

Date : 22.01.26 Purification : QIAGEN Miniprep kit -> dH_2O 100 ul

● Digestion by restriction enzyme/Concentrarion calibration

Date : 22.01.26

DNA concentration (O.D.): 372 ng/ul

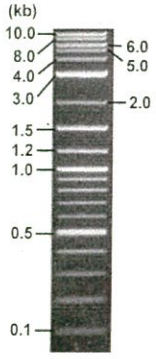
DNA	0.25 ul
Enzyme (BamHI)	1 ul
Buffer H	1 ul
dH_2O	7.75 ul
Total	10 ul

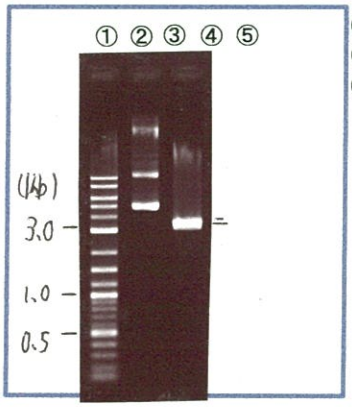
< Size of fragment expected from this clone >

BamHI 3.1kb (vector), 3.3 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 : 22.03.22

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 : 22.03.23

DNA (372 ng/ul)	76.0 ul
10x TE	113.0 ul
dH_2O	941.8 ul
Total	1130.8 ul

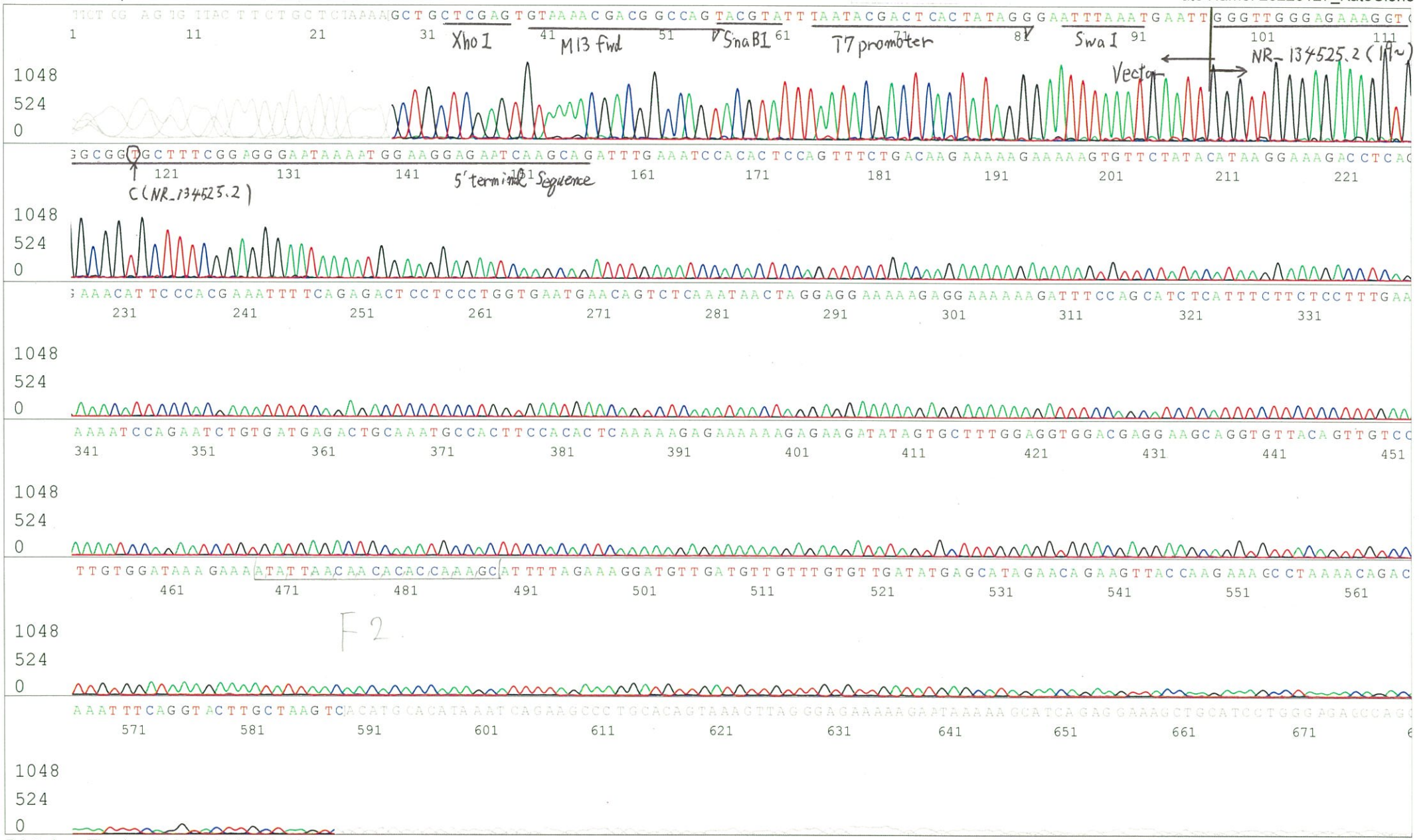
● Shipping

☑ Conc. : 25 ng/μl, Volume : 40 μl

☐ ~~Conc. : ng/μl, Volume : μl~~

APPROVED BY :




Xho 1
M13 fwd
SnaB1
T7 promoter
Swa 1
Vector
NR_134525.2 (1-)
C(NR_134525.2)
5' terminal Sequence
F2
1048
524
0

Applied Biosystems

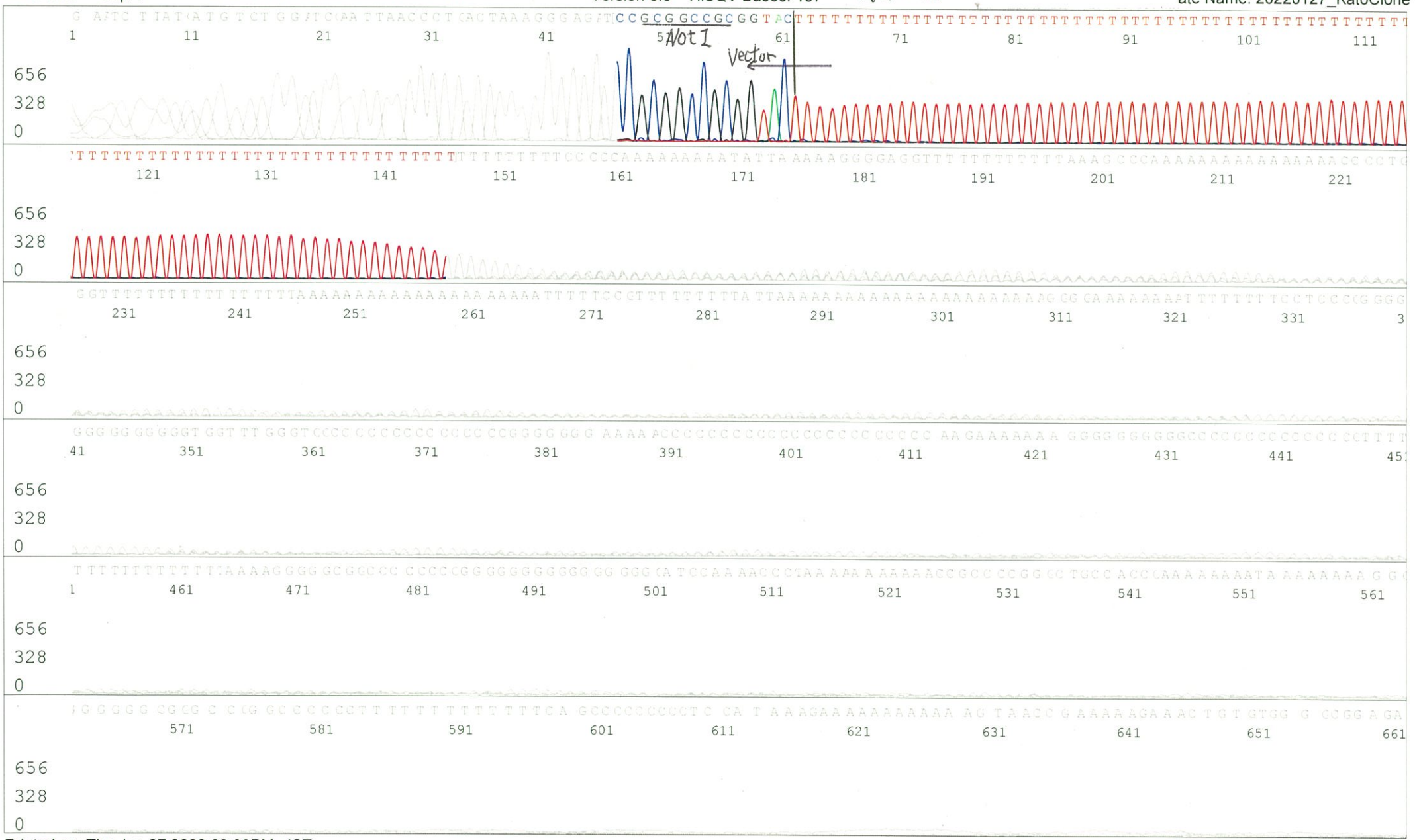
S/N G:23 A:31 T:48 C:25
KB.bcp
KB 1.4.1.8 Cap:4

Primer B : pGCAP-R
5' GCATTCTAGTTGTGGTTTGTCC 3'

6608_RBdS154I20_B2Ap_1_pGCAP_R_B01_04_ABI24
6608_RBdS154I20_B2Ap_1_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1682 to 8869 Pk1 Loc:1650
Version 6.0 HiSQV Bases: 157

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Jan 27,2022 01:59PM, JST
Jan 27,2022 02:14PM, JST
Spacing:10.94 Pts/Panel1350
ate Name: 20220127_KatoClone



Applied Biosystems

S/N G:156 A:191 T:97 C:1
KB.bcp
KB 1.4.1.8 Cap:7

Primer C : Poly(A) region primer #0

5' TTTTTTTTTTTTTTTTTTTTTVNN 3'

6608_RBdS154l20_B2Ap_1_GNPmixture_C01_07_ABI24
6608_RBdS154l20_B2Ap_1_GNPmixture
KB_3500_POP7_BDTv3.mob
Pts 1676 to 8707 Pk1 Loc:1644
Version 6.0 HiSQV Bases: 658

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Jan 27,2022 01:59PM, JST
Jan 27,2022 02:14PM, JST
Spacing:10.86 Pts/Panel1350
ate Name: 20220127_KatoClone

