C15

NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Research Center

RIKEN Clone ID : ARf04C12

Lot# : 7673_B0Af

Vector : pKA1U5

Gene	CHST3	
RefSeq_mRNA	NM_004273.5	6934 bp

● Plasmid DNA purification

Date : 2020.01.15 Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C O/N

Date : 2020.01.16 Purification : QIAGEN Miniprep kit -> dH_2O 100 ul

● Digestion by restriction enzyme/Concentrarion calibration

Date : 2020.01.16

DNA concentration (O.D.): 419 ng/ul

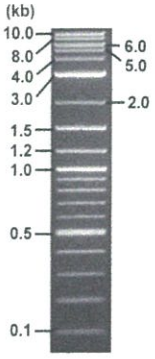
DNA	0.25 ul
Enzyme (BamHI)	1 ul
Buffer H	1 ul
dH_2O	7.75 ul
Total	10 ul

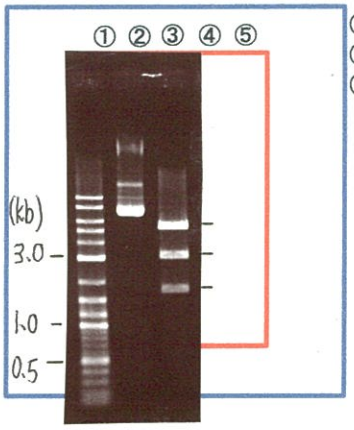
< Size of fragment expected from this clone >

BamHI 3.1kb (vector), 5.4, 1.8 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 : 2021.02.16

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 :

DNA (419 ng/ul)	68.0 ul
10x TE	113.9 ul
dH_2O	957.7 ul
Total	1139.6 ul

● Shipping

☑ Conc. : 25 ng/μl, Volume : 40 μl

☐ ~~Conc. : ng/μl, Volume : μl~~

APPROVED BY :

確認 21.3.01 笹沼

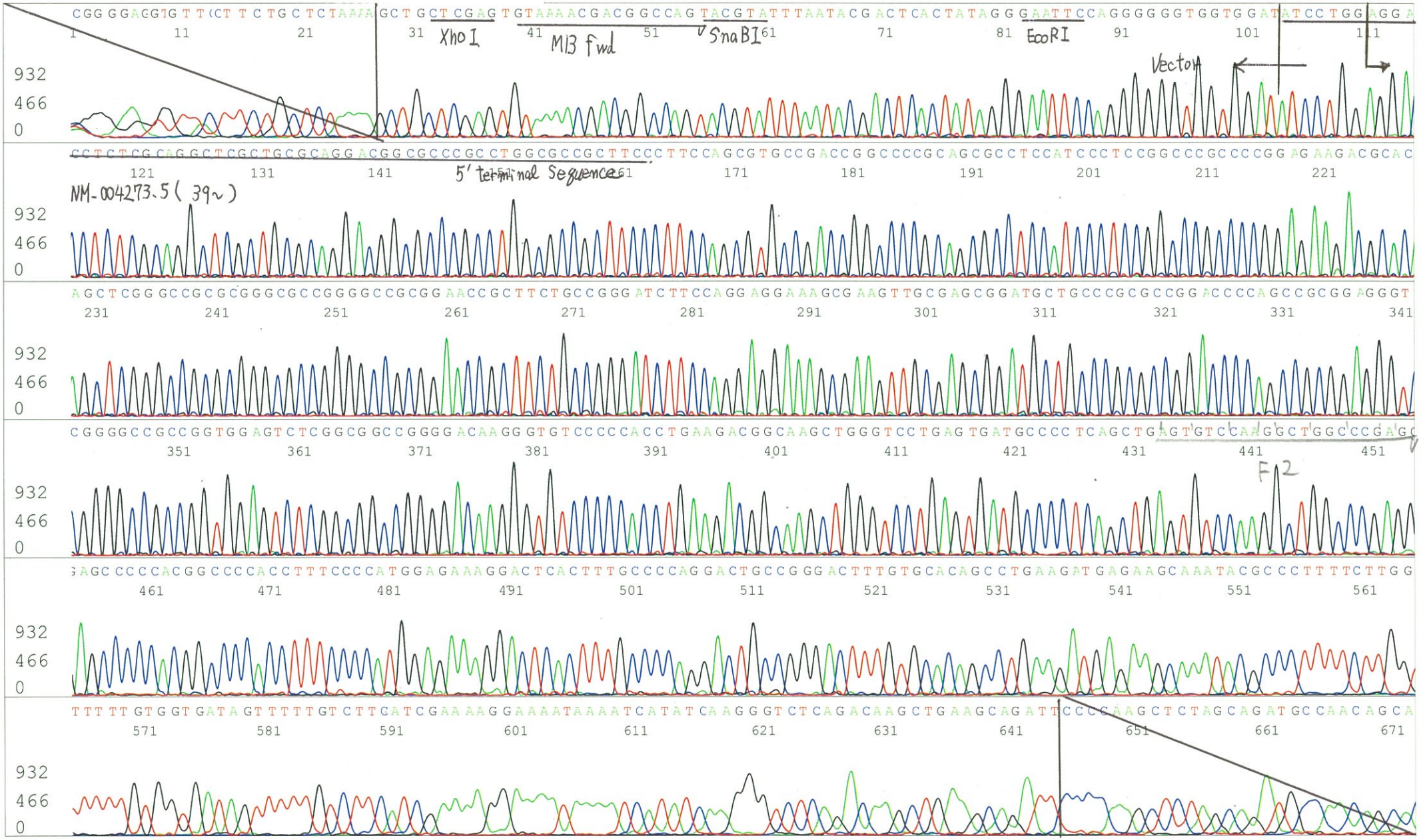
Applied Biosystems

S/N G:100 A:108 T:58 C:128
KB.bcp
KB 1.4.1.8 Cap:6

Primer A : pGCAP-F
5' CTCAGTGGATGTTGCCTTTAC 3'

7673_ARf04C12_B0Af_3_pGCAP_F_F01_06_ABI08
7673_ARf04C12_B0Af_3_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1696 to 8589 Pk1 Loc:1664
Version 6.0 HiSQV Bases: 660

Inst Model/Name 3500/3500 Instrument
Jan 17,2020 09:51AM, JST
Jan 17,2020 10:06AM, JST
Spacing:10.54 Pts/Panel1350
Plate Name: 20200117_GNP



Applied Biosystems

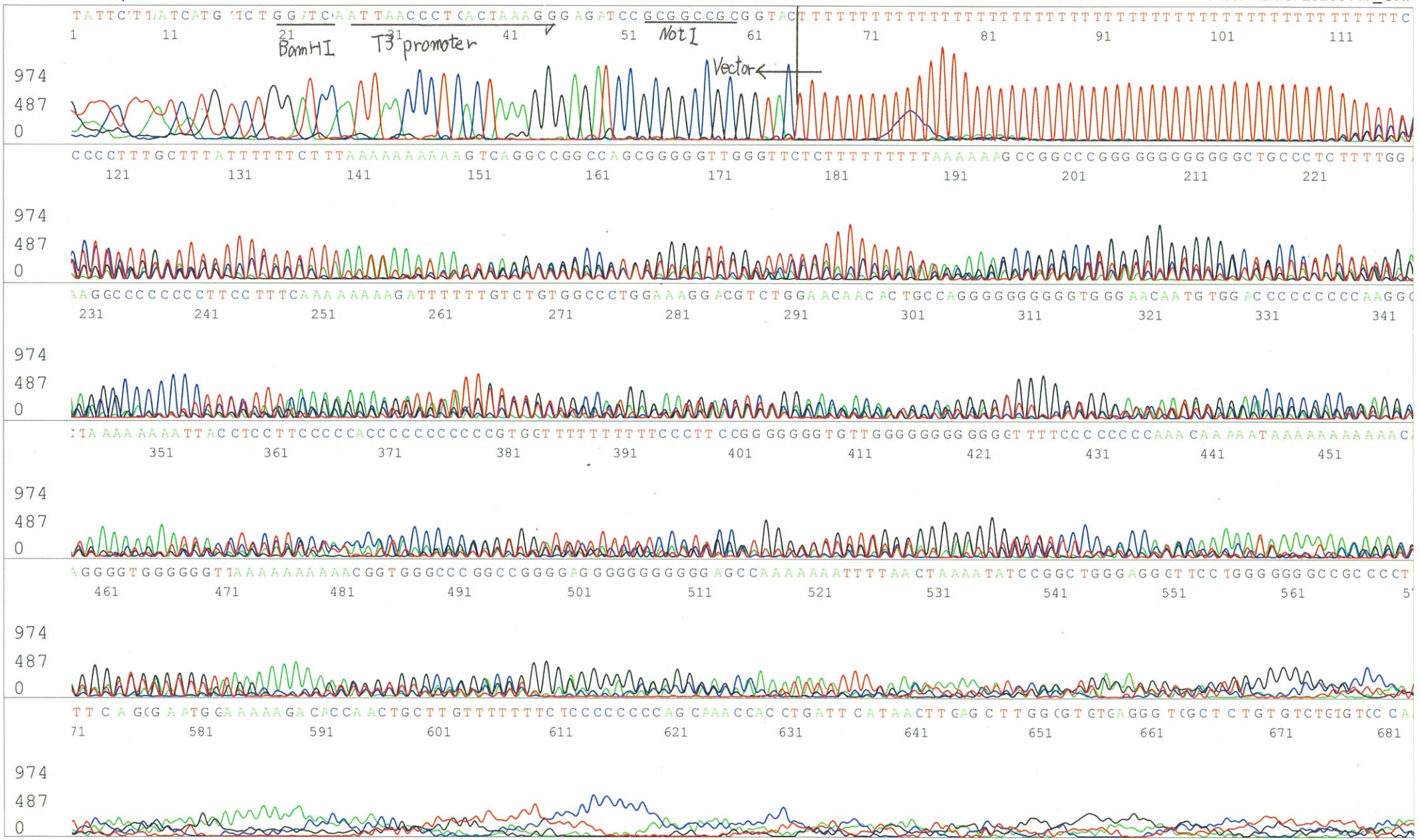
S/N G:30 A:33 T:25 C:30
KB.bcp
KB 1.4.1.8 Cap:7

Primer B : pGCAP-R

5' GCATTCTAGTTGTGGTTTGTCC 3'

7673_ARf04C12_B0Af_3_pGCAP_R_G01_07_ABI08
7673_ARf04C12_B0Af_3_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1704 to 8735 Pk1 Loc:1672
Version 6.0 HiSQV Bases: 87

Inst Model/Name 3500/3500 Instrument
Jan 17,2020 09:51AM, JST
Jan 17,2020 10:06AM, JST
Spacing:10.73 Pts/Panel1350
Plate Name: 20200117_GNP



Applied Biosystems

S/N G:29 A:29 T:17 C:26
KB.bcp
KB 1.4.1.8 Cap:8

Primer C : Poly(A) region primer #0

5' TTTTTTTTTTTTTTTTTTTTTTVNN 3'

7673_ARf04C12_B0Af_3_GNPmixture_H01_08_ABI08
7673_ARf04C12_B0Af_3_GNPmixture
KB_3500_POP7_BDTv3.mob
Pts 1703 to 8693 Pk1 Loc:1671
Version 6.0 HiSQV Bases: 660

Inst Model/Name 3500/3500 Instrument
Jan 17,2020 09:51AM, JST
Jan 17,2020 10:06AM, JST
Spacing:10.59 Pts/Panel1350
Plate Name: 20200117_GNP

