NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Research Center

RIKEN Clone ID : ARi05F01

Lot# : 7675_B0Jr

Vector : pGCAP10

Gene	PGM5	
RefSeq_mRNA	NM_021965.4	3626 bp

● Plasmid DNA purification

Date : 20.10.27 Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C O/N

Date : 20.10.28 Purification : QIAGEN Miniprep kit -> dH_2O 100 ul

● Digestion by restriction enzyme/Concentrarion calibration

Date : 20.10.28

DNA concentration (O.D.): 374 ng/ul

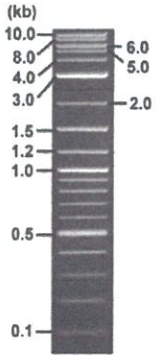
< Size of fragment expected from this clone >

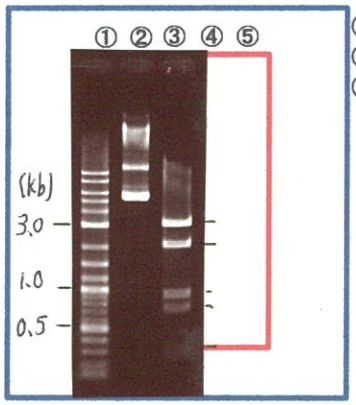
DNA	0.25 ul
Enzyme (BamHI)	1 ul
Buffer H	1 ul
dH_2O	7.75 ul
Total	10 ul

BamHI 3.1kb (vector), 2.0, 0.9, 0.7, 0.3 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 :21.02.04

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 :21.03.30

DNA (374 ng/ul)	80.0 ul
10x TE	119.6 ul
dH_2O	997.2 ul
Total	1196.8 ul

● Shipping

☑ Conc. : 25 ng/μl, Volume : 40 μl

☐ ~~Conc. : ng/μl, Volume : μl~~

APPROVED BY :



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

Applied Biosystems

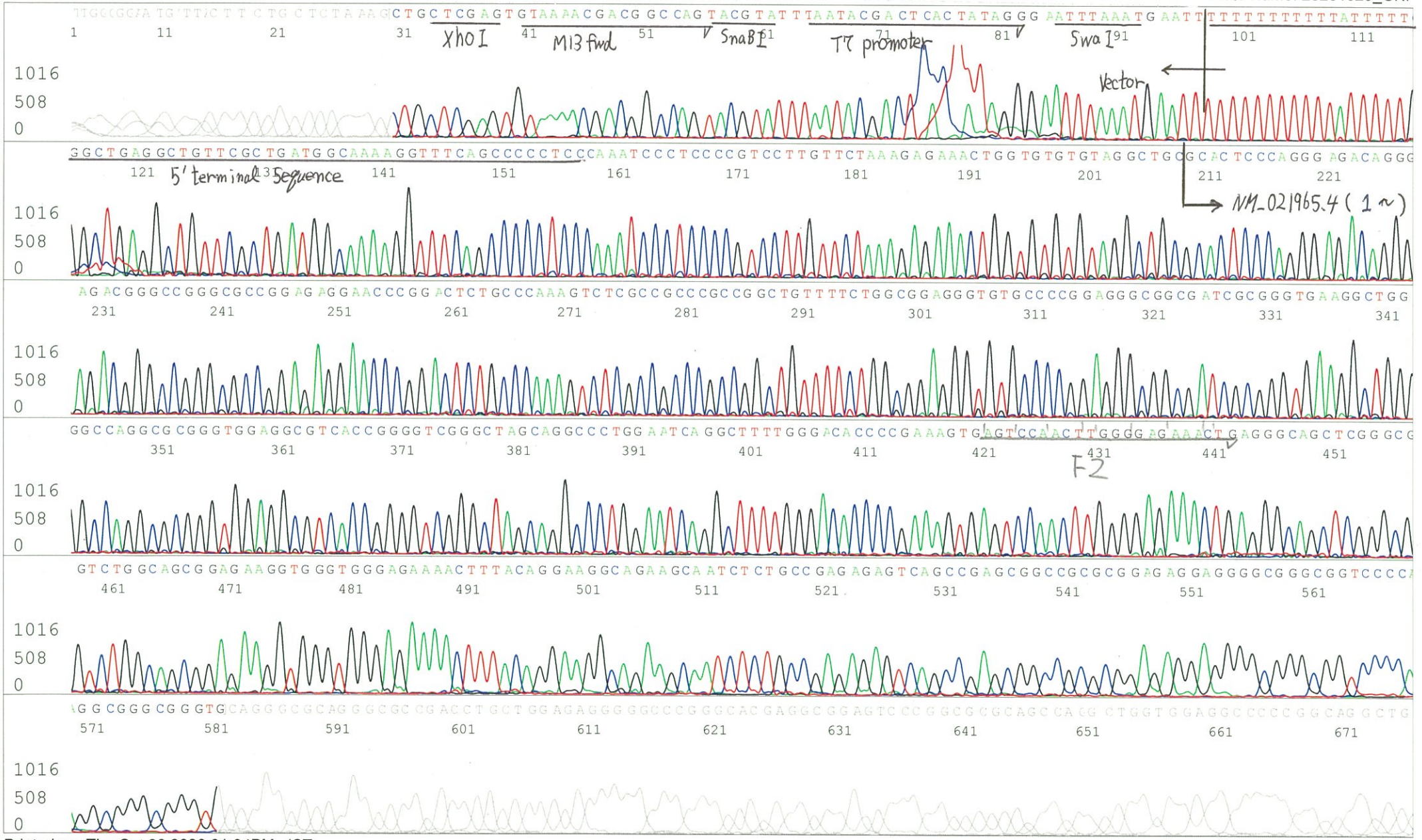
S/N G:108 A:93 T:51 C:94
KB.bcp
KB 1.4.1.8 Cap:12

Primer A : pGCAP-F
5' CTCAGTGGATGTTGCCTTTAC 3'

7675_ARi05F01_B0Jr_pGCAP_F_D03_12_ABI24
7675_ARi05F01_B0Jr_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1785 to 8706 Pk1 Loc:1753
Version 6.0 HiSQV Bases: 635

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Oct 29,2020 12:03PM, JST
Oct 29,2020 12:31PM, JST
Spacing:10.41 Pts/Panel1350
Plate Name: 20201029_GNP



Applied Biosystems

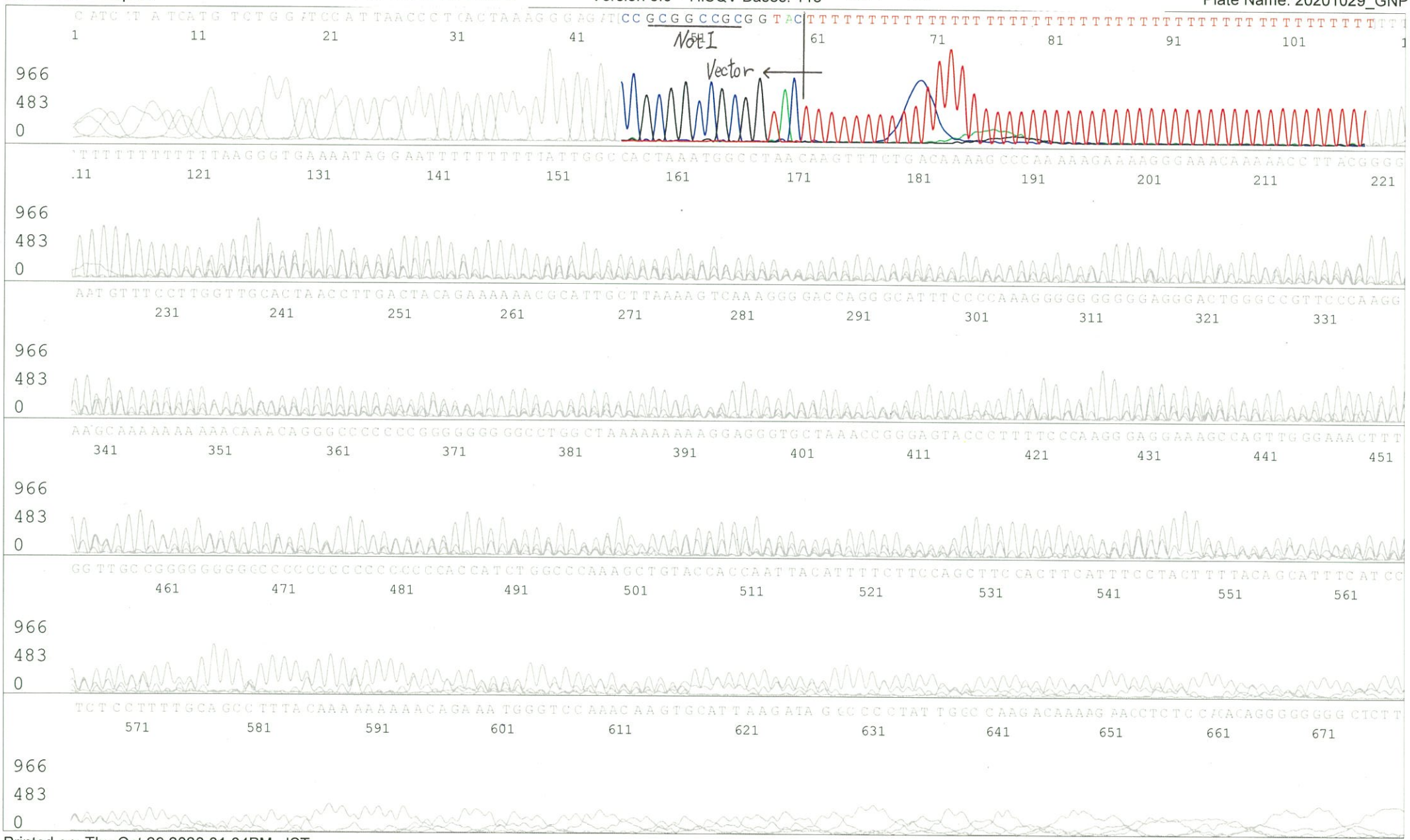
S/N G:41 A:56 T:49 C:51
KB.bcp
KB 1.4.1.8 Cap:15

Primer B : pGCAP-R
5' GCATTCTAGTTGTGGTTTGTCC 3'

7675_ARi05F01_B0Jr_pGCAP_R_E03_15_ABI24
7675_ARi05F01_B0Jr_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1774 to 8706 Pk1 Loc:1742
Version 6.0 HiSQV Bases: 113

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Oct 29,2020 12:03PM, JST
Oct 29,2020 12:31PM, JST
Spacing:10.44 Pts/Panel1350
Plate Name: 20201029_GNP



Applied Biosystems

S/N G:42 A:38 T:20 C:27
KB.bcp
KB 1.4.1.8 Cap:8

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

7675_ARi05F01_B0Jr_GNPmixture_H01_08_ABI08
7675_ARi05F01_B0Jr_GNPmixture
KB_3500_POP7_BDTv3.mob
Pts 1725 to 8575 Pk1 Loc:1693
Version 6.0 HiSQV Bases: 499

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Oct 30,2020 09:56AM, JST
Oct 30,2020 10:11AM, JST
Spacing:10.48 Pts/Panel1350
Plate Name: 20201030_GNP

