NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Research Center

RIKEN Clone ID : ARiS191L22
Vector : pGCAP10

Lot# : 6607_B1II

Gene	IQGAP3	
RefSeq_mRNA	NM_178229.5	6013 bp

● Plasmid DNA purification

Date : 21.09.21 Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C O/N

Date : 21.09.22 Purification : QIAGEN Miniprep kit -> dH_2O 100 ul

● Digestion by restriction enzyme/Concentrarion calibration

Date : 21.09.22

DNA concentration (O.D.): 504 ng/ul

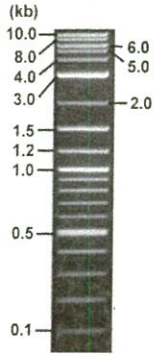
DNA	0.2 ul
Enzyme (BamHI)	1 ul
Buffer H	1 ul
dH_2O	7.8 ul
Total	10 ul

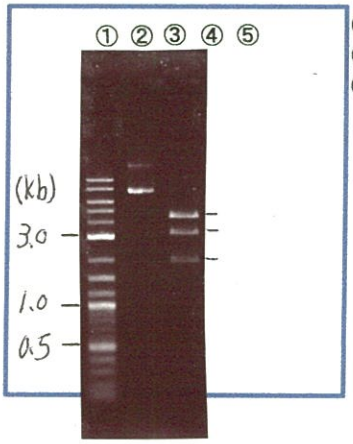
< Size of fragment expected from this clone >

BamHI 3.1kb (vector), 4.3, 1.9 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 : 21.12.6

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 : 21.12.8

DNA (504 ng/ul)	74.0 ul
10x TE	149.1 ul
dH_2O	1268.7 ul
Total	1491.8 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

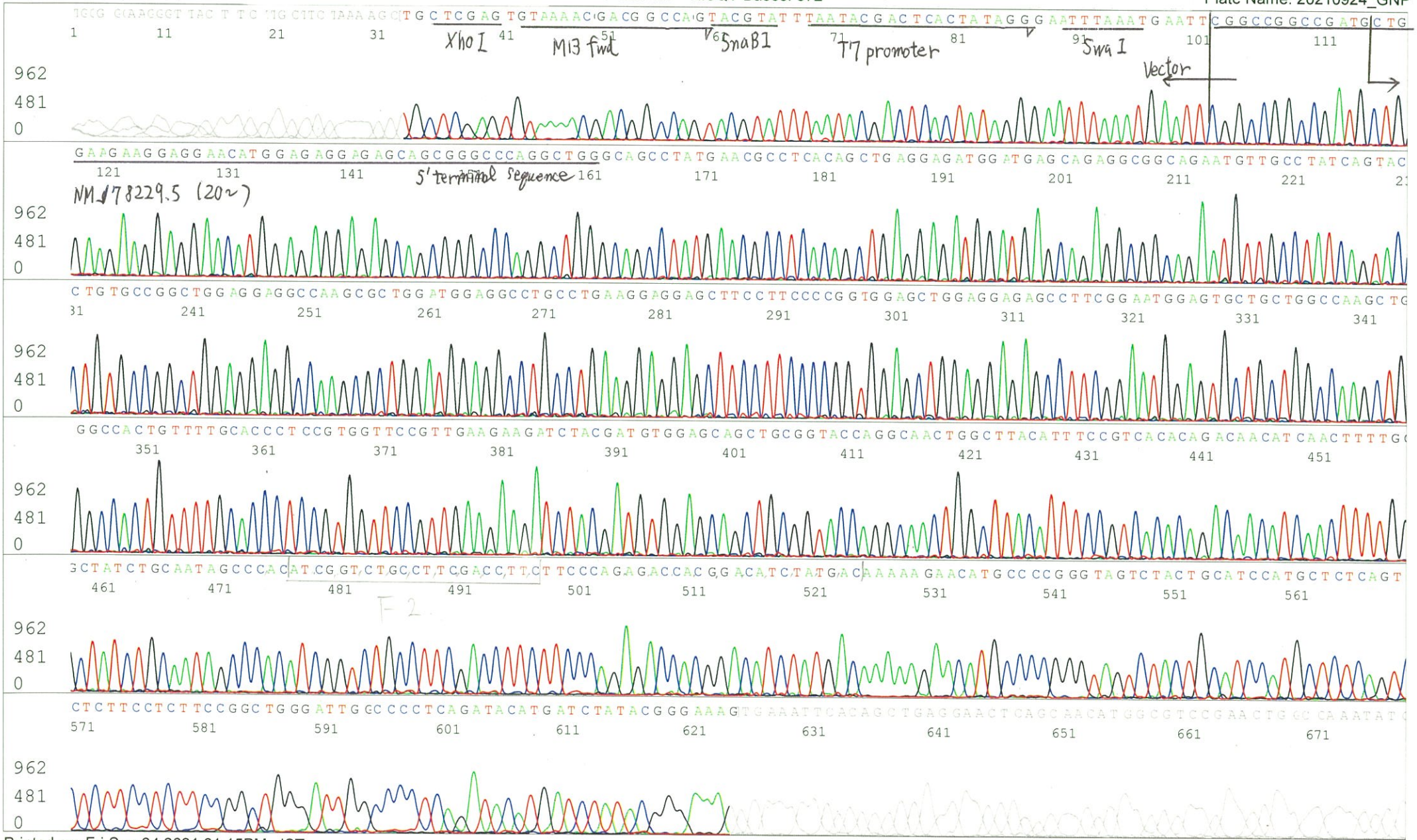
S/N G:49 A:61 T:34 C:58
KB.bcp
KB 1.4.1.8 Cap:4

Primer A : pGCAP-F
5' CTCAGTGGATGTTGCCTTTAC 3'

6607_ARiS191L22_B1II_pGCAP_F_D01_04_ABI08
6607_ARiS191L22_B1II_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1720 to 8701 Pk1 Loc:1688
Version 6.0 HiSQV Bases: 672

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Sep 24,2021 11:54AM, JST
Sep 24,2021 12:09PM, JST
Spacing:10.57 Pts/Panel1350
Plate Name: 20210924_GNP



Applied Biosystems

S/N G:19 A:24 T:26 C:18
KB.bcp
KB 1.4.1.8 Cap:5

Primer B : pGCAP-R
5' GCATTCTAGTTGTGGTTTGTCC 3'

6607_ARiS191L22_B1ll_pGCAP_R_E01_05_ABI08
6607_ARiS191L22_B1ll_pGCAP_R
KB_3500_POP7_BDTv3.mob
Pts 1715 to 8701 Pk1 Loc:1683
Version 6.0 HiSQV Bases: 113

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Sep 24,2021 11:54AM, JST
Sep 24,2021 12:09PM, JST
Spacing:10.61 Pts/Panel1350
Plate Name: 20210924_GNP

