NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Research Center

Lot# : 6608_B2Hf

RIKEN_Clone_ID : RBdS110A11

Vector : pGCAP10

Gene	MAPK8	
RefSeq_mRNA	NM_139046.4	6077 bp

● Plasmid DNA purification

Date : 22.08.15 Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C O/N

Date : 22.08.24 Purification : QIAGEN Miniprep kit -> dH_2O 100 ul

● Digestion by restriction enzyme/Concentrarion calibration

Date : 22.08.24

DNA concentration (O.D.): 273 ng/ul

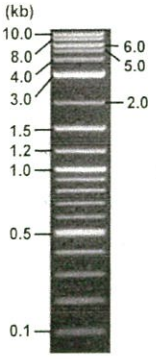
DNA	0.35 ul
Enzyme (BamHI)	1 ul
Buffer H	1 ul
dH_2O	7.65 ul
Total	10 ul

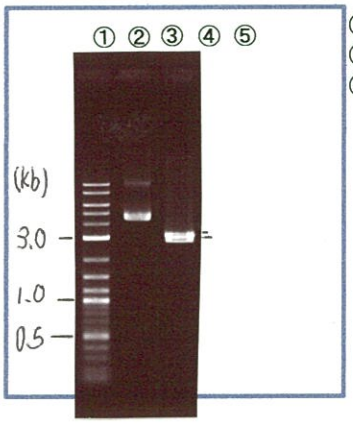
< Size of fragment expected from this clone >

BamHI 3.1kb (vector), 6.3 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 : 22.12.2

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 : 22.12.6

DNA (273 ng/ul)	78.0 ul
10x TE	85.1 ul
dH_2O	688.6 ul
Total	851.7 ul

● Shipping

☑ Conc. : 25 ng/μl, Volume : 40 μl

☐ Conc. : ng/μl, Volume : μl

APPROVED BY : 確認 22.12.06 笹沼

Applied Biosystems

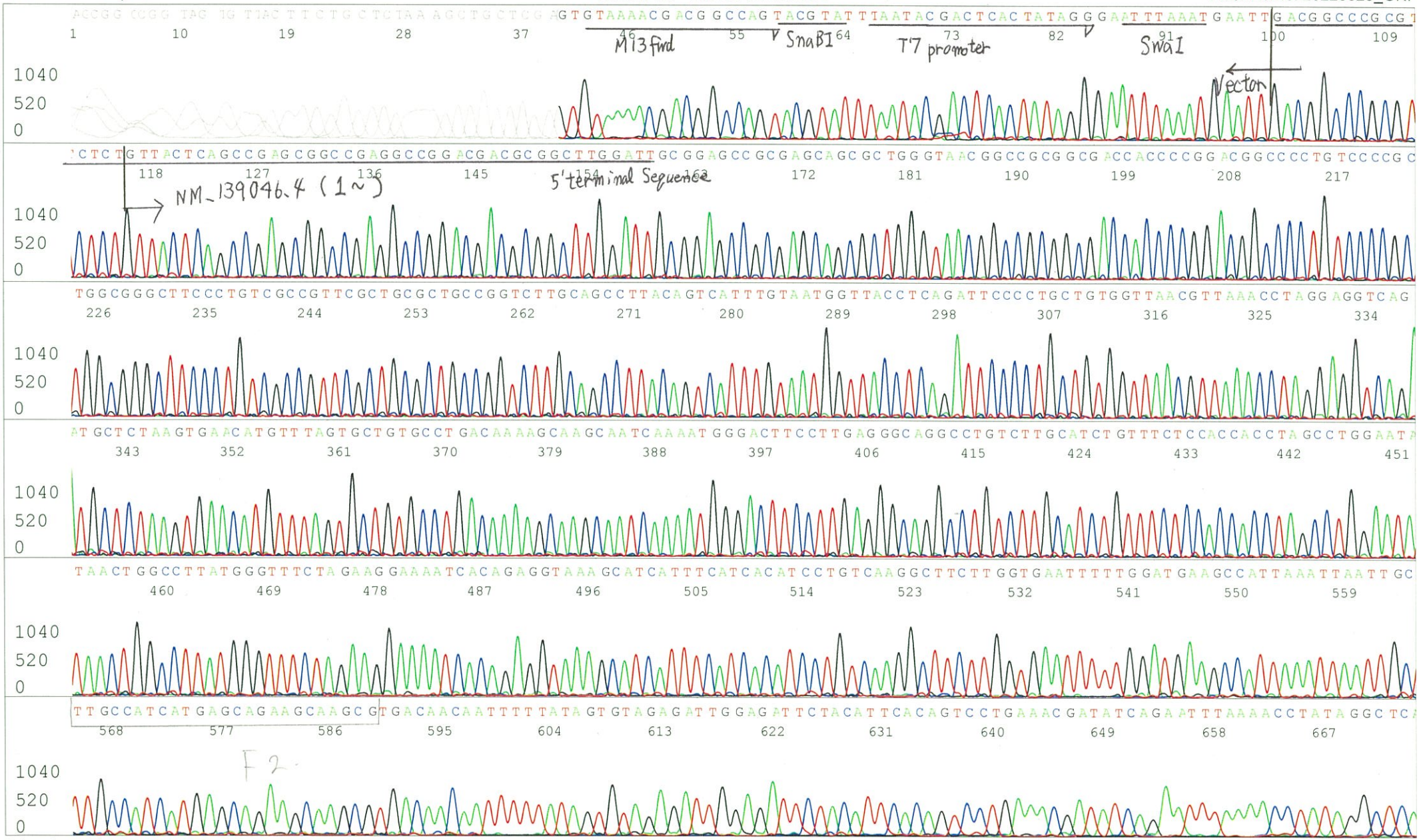
S/N G:333 A:383 T:235 C:390
KB.bcp
KB 1.4.1.8 Cap:10

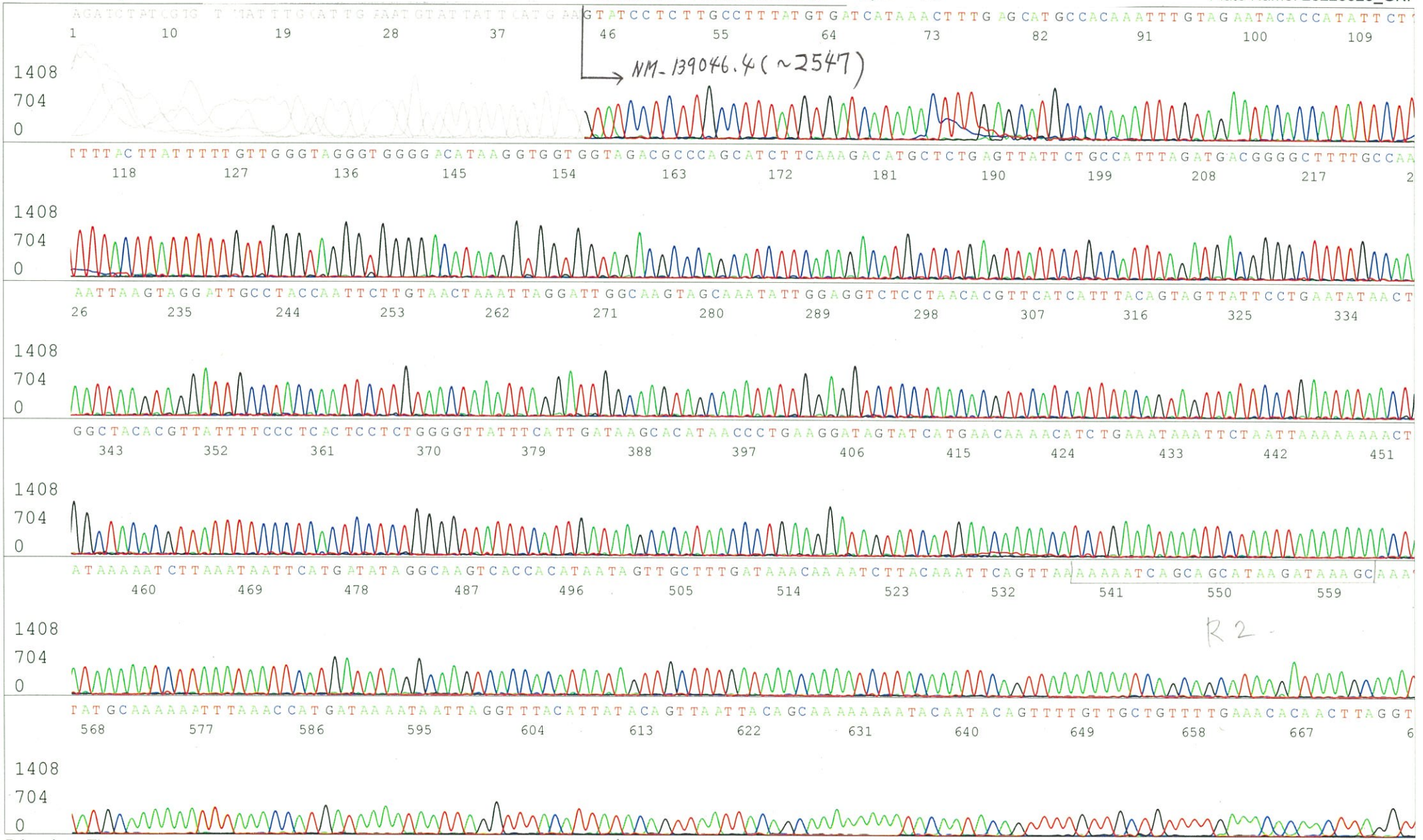
Primer A : pGCAP-F
5' CTCAGTGGATGTTGCCTTTAC 3'

6608_RBdS110A11_B2Hf_pGCAP_F_D01_10_ABI24
6608_RBdS110A11_B2Hf_pGCAP_F
KB_3500_POP7_BDTv3.mob
Pts 1661 to 12174 Pk1 Loc:1644
Version 6.0 HiSQV Bases: 792

Gray line indicates quality value (QV) < 40.

Inst Model/Name 3500/3500 Instrument
Aug 25,2022 09:39AM, JST
Aug 25,2022 10:01AM, JST
Spacing:13.18 Pts/Panel1350
Plate Name: 20220825_GNP




NM_139046.4 (~2547)
R2