

**RIKEN Clone ID : IRAK078I20**

Lot#: 7893\_B0Ln

Vector : pCMV-SPORT6

Gene	SLC26A11	
Accession No.	BC035900.1	2920 bp
	CDS	1821 bp

● Plasmid DNA purification

Date : 2021.01.07

Culture : LB (100 ug/ml Ampicillin) 5 ml → at 37 deg C over night

Date : 2021.01.08

Purification : QIAGEN Miniprep kit → dH<sub>2</sub>O 100 ul

● Digestion by restriction enzyme/Concentration calibration

Date : 2021.01.08

DNA concentration (O.D.): 40 ng/ul

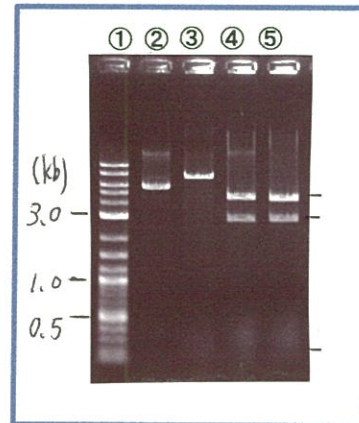
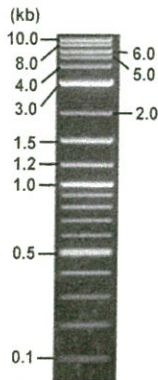
< Size of fragment expected from this clone >

DNA	2.5	ul
Enzyme (EcoRI + XhoI)	0.5 + 0.5	ul
Buffer H	1	ul
dH <sub>2</sub> O	5.5	ul
Total	10	ul

EcoRI	7.2	kb
XhoI	4.4, 2.8	kb
EcoRI + XhoI	4.3kb (Vector)	2.8, 0.1

Electrophoresis : 1% agarose gel, 1x TAE Buffer

Marker : 2-Log DNA Ladder (NEB#N3200L)



- ①:Marker
- ②:uncut
- ③:EcoRI
- ④:XhoI
- ⑤:EcoRI + XhoI

● Adjust plasmid DNA solution to 25 ng/ul

Date : 2021.01.13

DNA ( <u>40</u> ng/ul)	62.0	ul
10x TE	9.9	ul
dH <sub>2</sub> O	27.3	ul
Total	99.2	ul

● Confirmation of the insertion sequence

Date : 2021.01.13

Primer A	Reverse2
Primer B	M13
Primer C	poly(A) region primer #2
List of Sequencing Primers	<a href="http://dna.brc.riken.jp/en/GNPclone3en.html">http://dna.brc.riken.jp/en/GNPclone3en.html</a>

● Shipping

Conc. : 25 ng/ul, Volume : 40 ul

Conc. :      ng/ul, Volume :      ul

APPROVED BY :

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





S/N G:122 A:71 T:65 C:11 Primer A : Reverse2

7893\_IRAK078I20\_B0Ln\_7\_Reverse2

Jan 12,2021 10:50AM, JST

KB.bcp

KB\_3500\_POP7\_BDTv3.mob

Gray line indicates quality value

Jan 12,2021 11:06AM, JST

KB 1.4.1.8 Cap:11

5' GCGGATAACAATTTTCACACAGG 3'

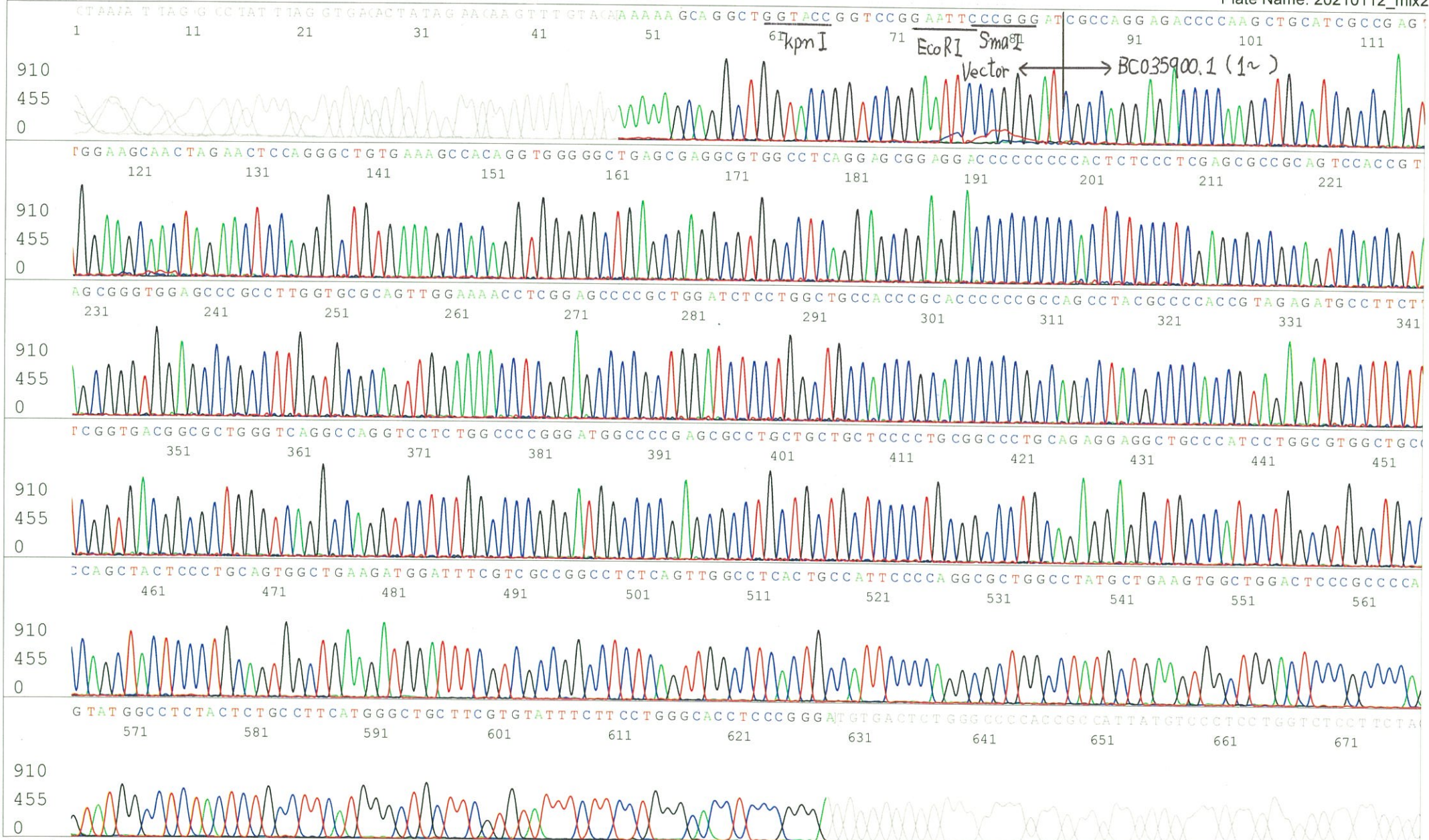
Pts 1735 to 8706 Pk1 Loc:1703

(QV) < 40.

Spacing:10.84 Pts/Panel1350

Version 6.0 HiSQV Bases: 692

Plate Name: 20210112\_mix2





S/N G:12 A:11 T:14 C:9

Primer B : M13

7893\_IRAK078I20\_BOln\_7\_M13(-40)

Jan 13,2021 09:57AM, JST

KB.bcp

KB\_3500\_POP7\_BDTv3.mob

Gray line indicates quality value

Jan 13,2021 10:28AM, JST

KB 1.4.1.8 Cap:1

5' GTTTTCCCAGTCACGACGTTGTA 3'

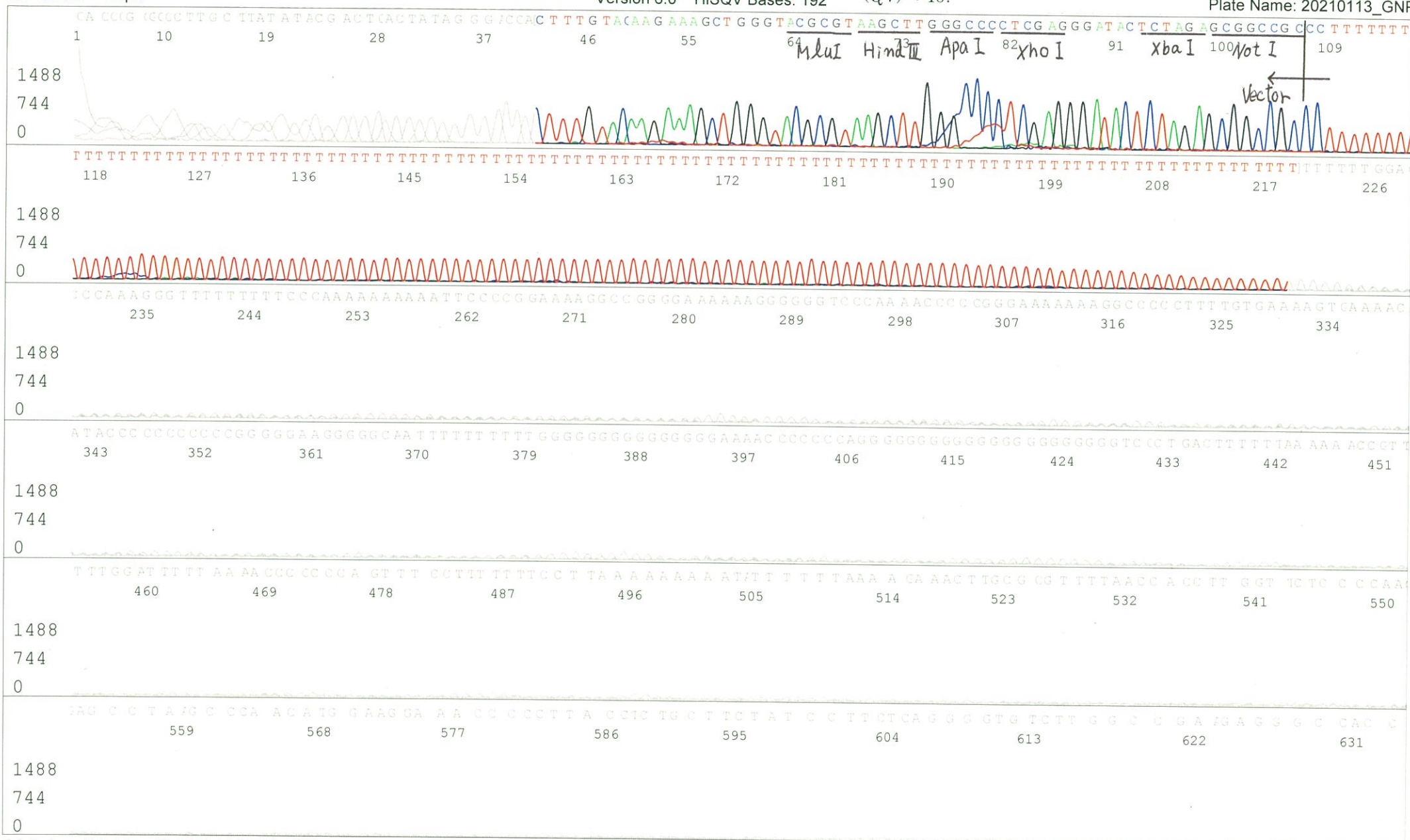
Pts 1799 to 8704 Pk1 Loc:1767

(QV) < 40.

Spacing:11.38 Pts/Panel1350

Version 6.0 HiSQV Bases: 192

Plate Name: 20210113\_GNP



S/N G:33 A:33 T:20 C:23

KB.bcp

KB 1.4.1.8 Cap:2

Primer C : Poly(A) region primer #21

7893\_IRAK078I20\_B0Ln\_7\_GNP21

KB\_3500\_POP7\_BDTv3.mob

Pts 1817 to 8704 Pk1 Loc:1785

Version 6.0 HiSQV Bases: 644

Gray line indicates quality value (QV) < 40.

Jan 13,2021 09:57AM, JST

Jan 13,2021 10:28AM, JST

Spacing:11.08 Pts/Panel1350

Plate Name: 20210113\_GNP

5' TTTTTTTTTTTTTTTTTTTTTT G T A 3'

