

**RIKEN Clone ID : IRAK082F02**

Lot#: 7893\_B1Cf

Vector : pCMV-SPORT6

Gene	PTPRF	
Accession No.	BC048768.1	6412 bp
	<i>CDS</i>	5697 bp

● Plasmid DNA purification

Date : 21.03.16

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

Date : 21.03.17

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

● Digestion by restriction enzyme/Concentration calibration

Date : 21.03.17

DNA concentration (O.D.): 495 ng/ul

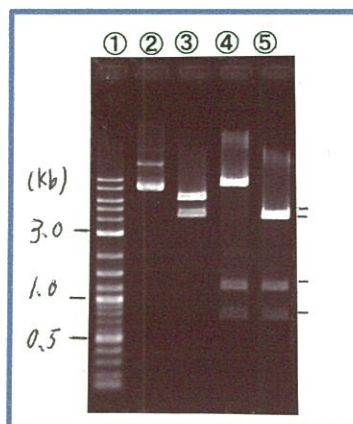
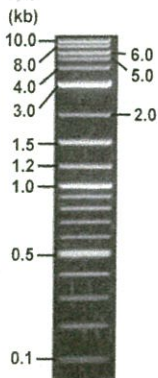
< Size of fragment expected from this clone >

DNA	<u>0.2</u>	ul
Enzyme (EcoRI + XhoI)	<u>0.5 + 0.5</u>	ul
Buffer H	<u>1</u>	ul
dH <sub>2</sub> O	<u>7.8</u>	ul
Total	<u>10</u>	ul

EcoRI	<u>6.4 , 4.4</u>	kb
XhoI	<u>8.8, 1.2, 0.8</u>	kb
EcoRI + XhoI	<u>4.3kb (Vector)</u>	<u>4.4, 1.2, 0.8, 0.1</u> kb

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 : 21.03.22

● Confirmation of the insertion sequence

Date : 21.03.22

DNA ( <u>495</u> ng/ul)	<u>82.0</u>	ul
10x TE	<u>162.3</u>	ul
dH <sub>2</sub> O	<u>1379.3</u>	ul
Total	<u>1623.6</u>	ul

Primer A	Reverse2
Primer B	M13
Primer C	poly(A) region primer #0
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:250 A:175 T:118 C:194 Primer A : Reverse2

7893\_IRAK082F02\_B1Cf\_3\_Reverse2

Mar 18,2021 10:32AM, JST

KB.bcp

KB\_3500\_POP7\_BDTv3.mob

Gray line indicates quality value Mar 18,2021 10:48AM, JST

KB 1.4.1.8 Cap:17

5' GCGGATAACAATTTTCACACAGG 3'

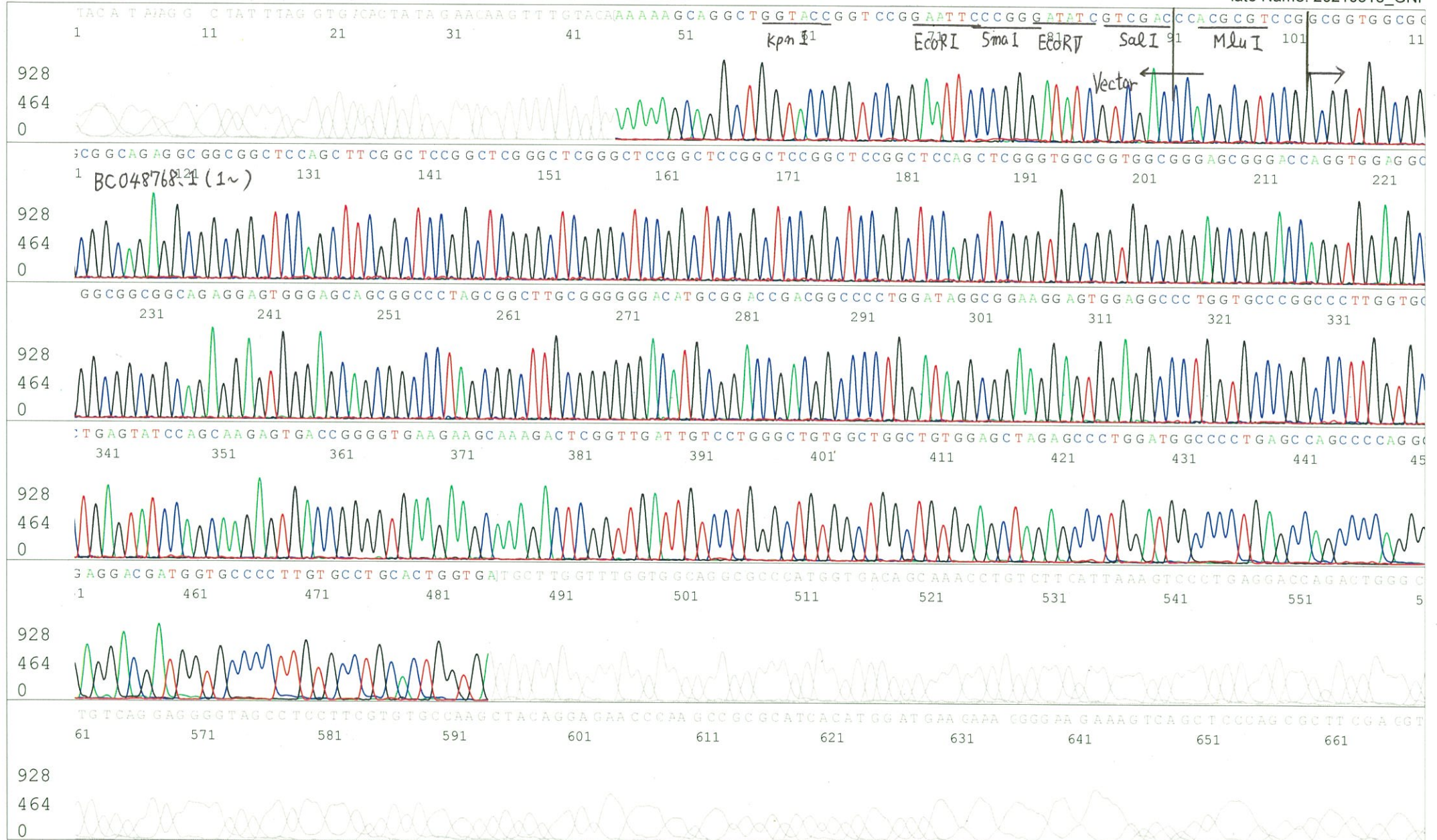
Pts 1748 to 8706 Pk1 Loc:1716

Spacing:10.81 Pts/Panel1350

Version 6.0 HiSQV Bases: 591

(QV) < 40.

Plate Name: 20210318\_GNP





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

7893\_IRAK082F02\_B1Cf\_3\_M13(-40)

Mar 18,2021 10:32AM, JST

KB.bcp

Primer B : M13

KB\_3500\_POP7\_BDTv3.mob

Gray line indicates quality value

Mar 18,2021 10:48AM, JST

KB 1.4.1.8 Cap:20

5' GTTTTCCCAGTCACGACGTTGTA 3'

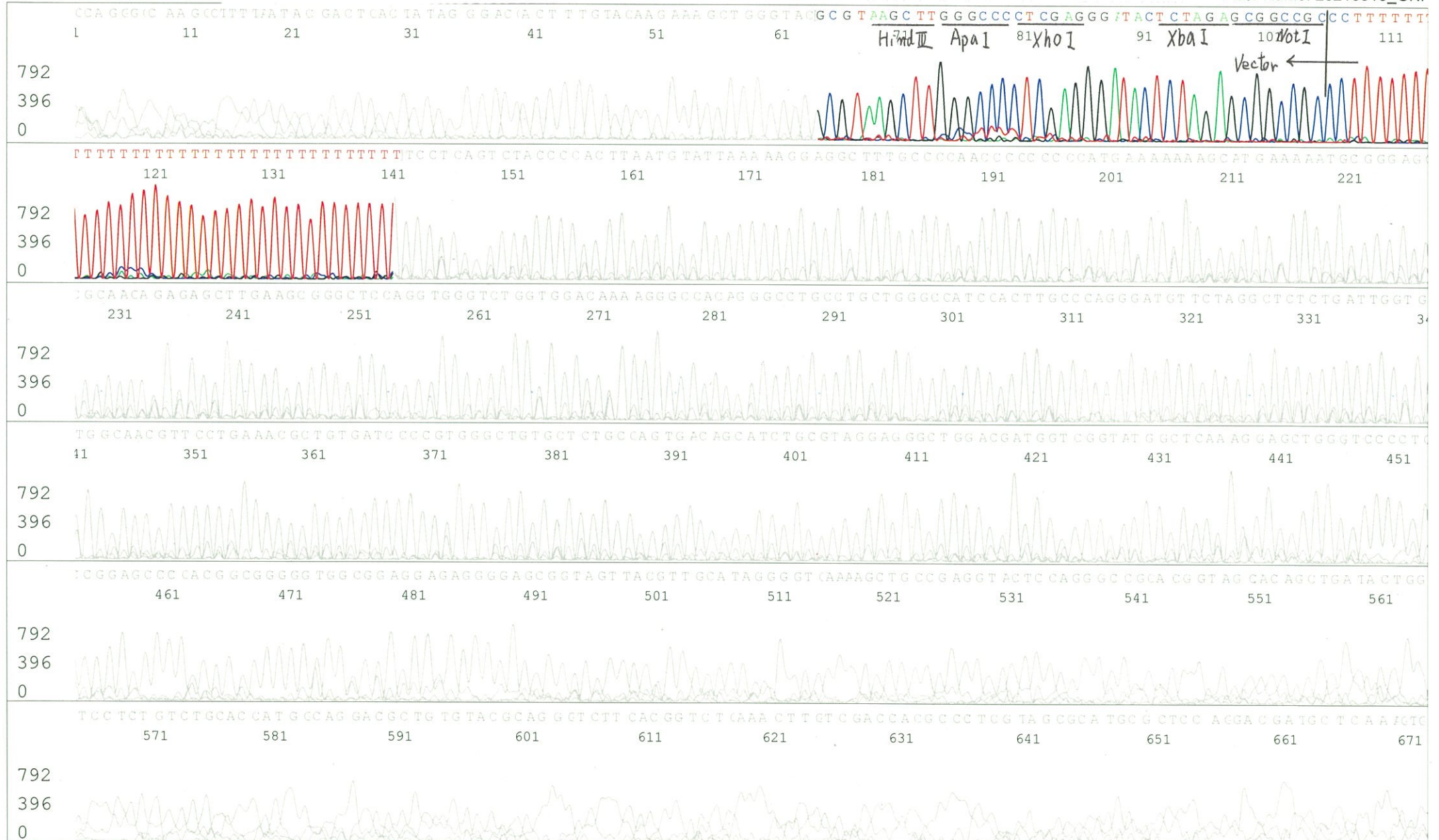
Pts 1705 to 8675 Pk1 Loc:1673

(QV) < 40.

Spacing:10.49 Pts/Panel1350

Version 6.0 HiSQV Bases: 461

Plate Name: 20210318\_GNP





S/N G:27 A:20 T:15 C:21

7893\_IRAK082F02\_B1Cf\_3\_GNPmixture

Mar 18,2021 10:32AM, JST

KB.bcp

Primer C : Poly(A) region primer #0

KB\_3500\_POP7\_BDTv3.mob  
Pts 1739 to 8706 Pk1 Loc:1707

Gray line indicates quality value

Mar 18,2021 10:48AM, JST

KB 1.4.1.8 Cap:23

5' TTTTTTTTTTTTTTTTTTTTTTNN 3'

Version 6.0 HiSQV Bases: 625

(QV) < 40.

Spacing:10.7 Pts/Panel1350  
Plate Name: 20210318\_GNP

