

**RIKEN Clone ID : IRAK107013**

7893\_B3Ep #N/A

Vector : pCMV-SPORT6

Gene	ADAMTSL2	
Accession No.	BC050544.1	3740 bp
	CDS	2856 bp

● Plasmid DNA purification

Date : 23.05.24

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

Date : 23.05.25

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

● Digestion by restriction enzyme/Concentration calibration

Date : 23.05.25

DNA concentration (O.D.): 353 ng/ul

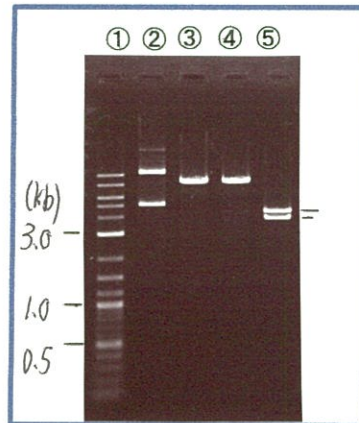
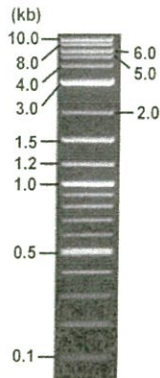
< Size of fragment expected from this clone >

DNA	0.3 ul
Enzyme (EcoRI + XhoI)	0.5 + 0.5 ul
Buffer H	1 ul
dH <sub>2</sub> O	7.7 ul
Total	10 ul

EcoRI	8.1 kb
XhoI	8.1 kb
EcoRI + XhoI	4.3kb (Vector)      3.8 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 : 23,05,30

● Confirmation of the insertion sequence

Date : 23.05.26

DNA ( 353 ng/ul)	85.0	ul
10x TE	120.0	ul
dH <sub>2</sub> O	995.2	ul
Total	1200.2	ul

Primer A	Reverse2
Primer B	M13
Primer C	-
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/μl, Volume : 40 μl

Conc. : \_\_\_\_\_ ng/μl, Volume : \_\_\_\_\_ μl



APPROVED BY :

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

S/N G:648 A:721 T:490 C:869

Primer A : Reverse2

7893\_IRAK107O13\_B3Ep\_1\_Reverse2

May 25,2023 03:01PM, JST

KB.bcp

KB\_3500\_POP7\_BDTv3.mob

Gray line indicates quality value

May 25,2023 03:28PM, JST

KB 1.4.1.8 Cap:2

5' GCGGATAACAATTTTCACACAGG 3'

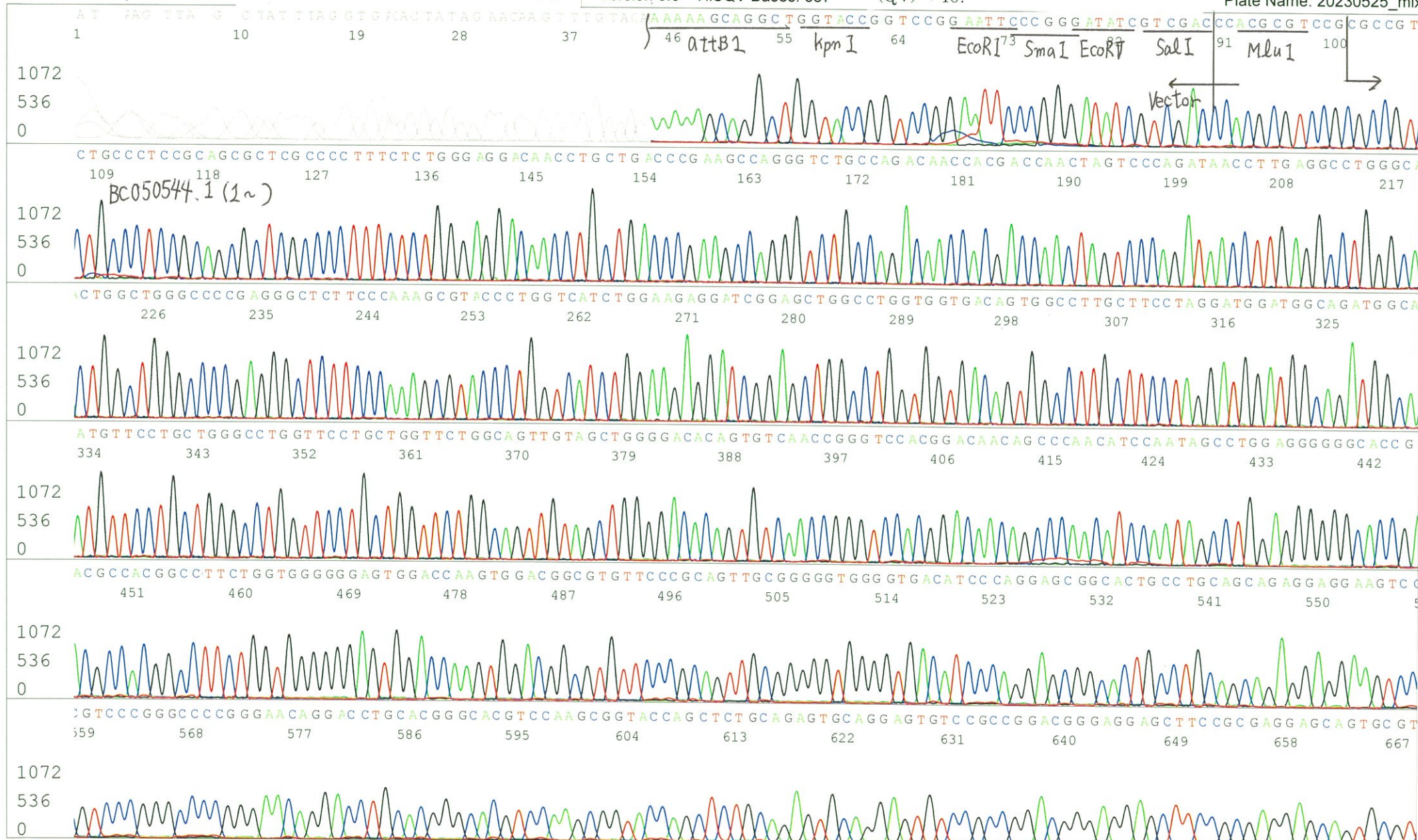
Pts 1494 to 13204 Pk1 Loc:1471

(QV) < 40.

Spacing:11.76 Pts/Panel1350

Version 6.0 HiSQV Bases: 857

Plate Name: 20230525\_mix



S/N G:327 A:339 T:187 C:390

Primer B : M13

7893\_IRAK107O13\_B3Ep\_1\_M13(-40)

May 25,2023 03:01PM, JST

KB.bcp

KB\_3500\_POP7\_BDTv3.mob

May 25,2023 03:28PM, JST

KB 1.4.1.8 Cap:5

5' GTTTTCCCAGTCACGACGTTGTA 3'

Pts 1448 to 13056 Pk1 Loc:1425

Gray line indicates quality value (QV) < 40.

Spacing:11.52 Pts/Panel1350

Plate Name: 20230525\_mix

