

**RIKEN clone ID: M01C028D08**

Vector : pDONR221

Gene	ARHGEF7	
Accession No.	BC060776.1	3784 bp
	<i>CDS</i>	2412 bp
	<i>CDS</i> (Delete stop codon)	2409 bp
		1..3784
		251..2662
		251..2659

● Plasmid DNA purification

Date : 110406 Culture : LB (25 ug/ml Kanamycin) 3 ml → 37°C O/N

Date : 110407 Purification : QIAGEN Miniprep kit → dH<sub>2</sub>O 100 ul

● Digestion by restriction enzyme / Concentration calibration

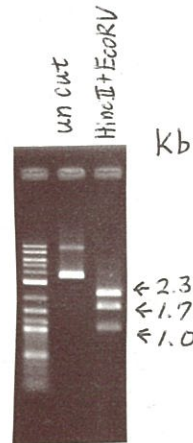
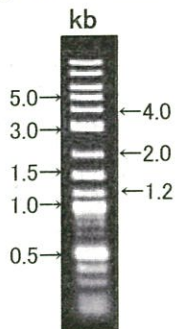
Date : 110407

DNA concentration (O.D.): 39.8 ng/ul

DNA	2.5 ul
Restriction enzyme (Hinc II + EcoRV)	0.5+0.5 ul
Buffer H	1 ul
dH <sub>2</sub> O	5.5 ul
Total	10 ul

Electrophoresis: 1% agarose gel, 1 × TAE Buffer

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



<Expected digestion pattern from BC060776.1 CDS>

1028, 1671, 2263 bp

● Adjust plasmid DNA solution to 25 ng/ul ~preparation for shipping~

Date : 110413 Shipped : 25 ng/ul, 40 ul

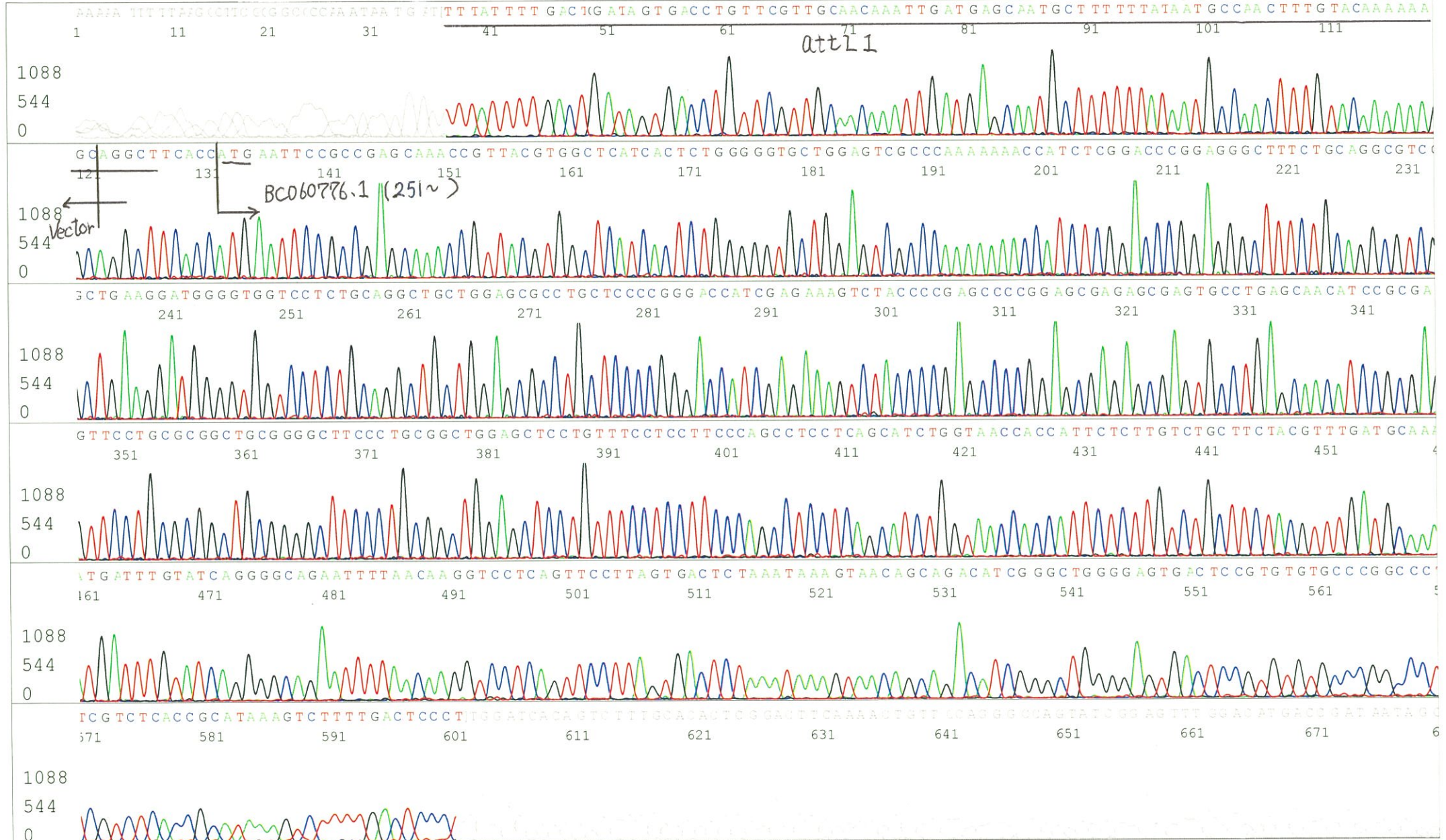
Final concentration: 25 ng/ul

DNA ( <u>39.8</u> ng/ul)	78.0	ul
10 × TE	12.4	ul
dH <sub>2</sub> O	33.7	ul
Total	124.1	ul

S/N G:24 A:23 T:21 C:36  
KB.bcp  
KB 1.4.1.8 Cap:1

Primer A : M13  
5' GTTTTCCCAGTCACGACGTTGTA 3'

Gray line indicates quality value  
(QV) < 40.



S/N G:12 A:12 T:12 C:17

KB.bcp

KB 1.4.1.8 Cap:2

Primer B : T7 long

5' CGCCAAGCTCTAATACGACTCACTATAGGG 3'

M01C028D08\_110407\_T7long

KB\_3500\_POP7\_BDTV3.mob

Pts 1708 to 8636 Pk1 Loc:1676

Version 6.0 HiSQV Bases: 596

Gray line indicates quality value

(QV) < 40.

Jan 23,2018 02:50PM, JST

Jan 23,2018 03:03PM, JST

Spacing:10.42 Pts/Panel1350

Plate Name: 20180123\_GNP

