

**RIKEN Clone ID : M01C030F24**

Vector : pDONR221

Gene	ARSG	
Accession ID of Origin	BC012375.1	2028 bp
	CDS	1578 bp

● Plasmid DNA purification

Date : 23.05.29

Culture : LB (25 ug/ml Kanamycin) 5 ml -> at 37 deg C over night

Date : 23.05.30

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

● Digestion by restriction enzyme/Concentration calibration

Date : 23.05.30

DNA concentration (O.D.): 172 ng/ul

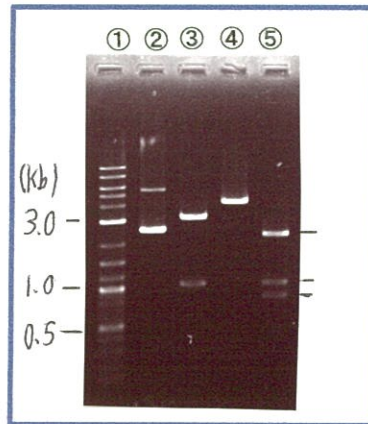
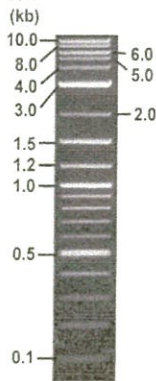
< Size of fragment expected from this clone >

DNA	0.6 ul
Enzyme (HincII + EcoRV )	0.5 + 0.5 ul
Buffer H	1 ul
dH <sub>2</sub> O	7.4 ul
Total	10 ul

HincII	3.0 , 1.0 kb
EcoRV	4.0 kb
HincII + EcoRV	2.2kb (Vector) 1.0, 0.8 kb

Electrophoresis : 1% agarose gel, 1x TAE Buffer

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



①:Marker  
②:uncut  
③:HincII  
④:EcoRV  
⑤:HincII + EcoRV

● Adjust plasmid DNA solution to 25 ng/ul

Date : 23.06.06

● Confirmation of the insertion sequence

Date : 23.06.05

DNA ( <u>172</u> ng/ul)	<u>86.0</u> ul
10x TE	<u>59.1</u> ul
dH <sub>2</sub> O	<u>446.5</u> ul
Total	<u>591.6</u> ul

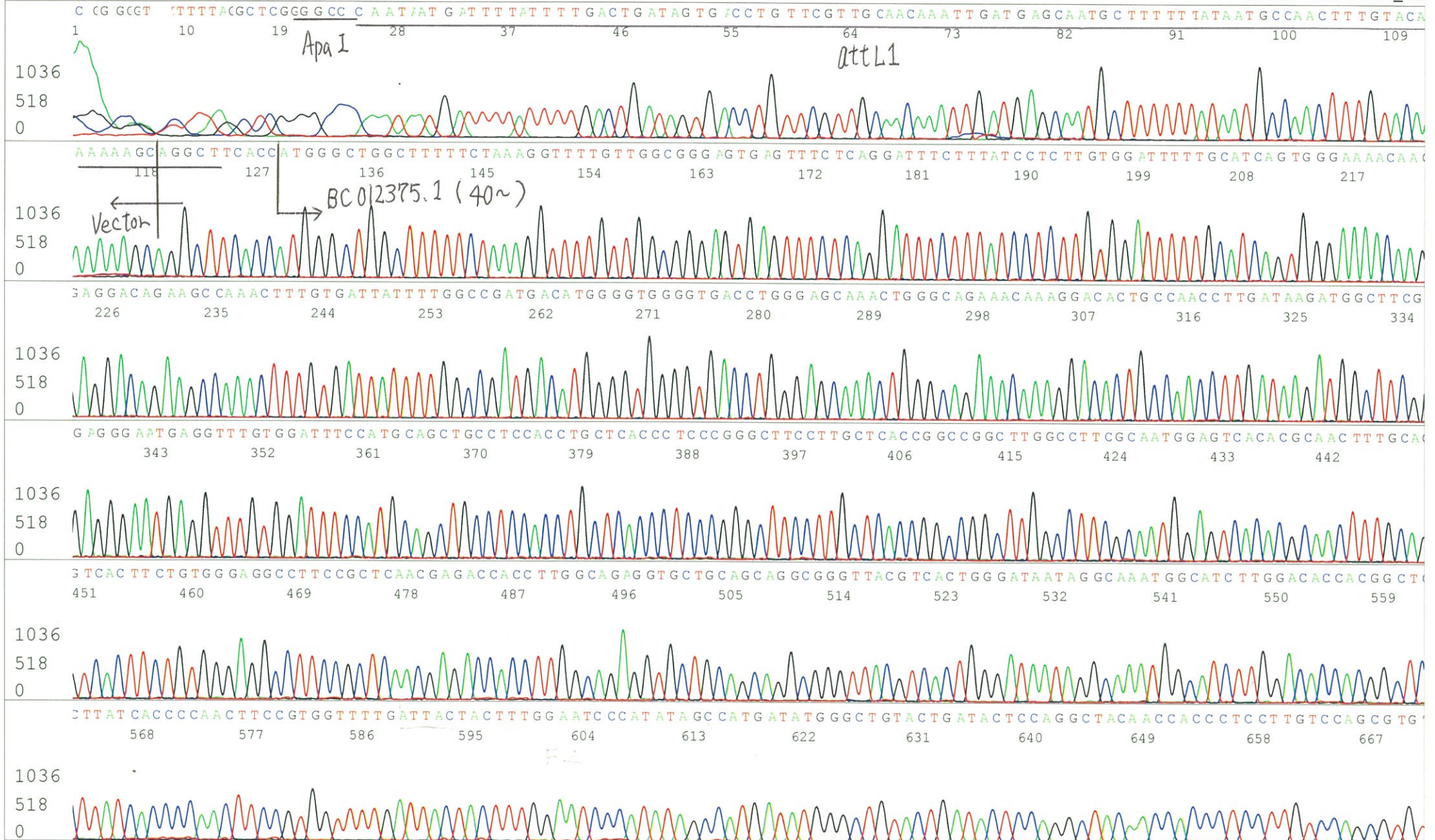
Primer A	M13
Primer B	T7 long
Primer C	-
List of Sequencing Primers	<a href="http://dna.brc.riken.jp/en/GNPclone3en.html">http://dna.brc.riken.jp/en/GNPclone3en.html</a>

● Shipping

Conc. : 25 ng/μl, Volume : 40 μl

Conc. :     ng/μl, Volume :     μl





S/N G:59 A:72 T:57 C:79  
KB.bcp  
KB 1.4.1.8 Cap:8

Primer B : T7 long

5' CGCCAAGCTCTAATACGACTCACTATAGGG 3'

