

**RIKEN Clone ID : IRAL001C15**

Lot#: 7566\_A7Gv

Vector : pOTB7

Gene	PHGDH	
Accession No.	BC000303.2	1861 bp
	<i>CDS</i>	1602 bp

● Plasmid DNA purification

Date : 170731

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

Date : 170801

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

● Digestion by restriction enzyme/Concentration calibration

Date : 170801

DNA concentration (O.D.): 158 ng/ul

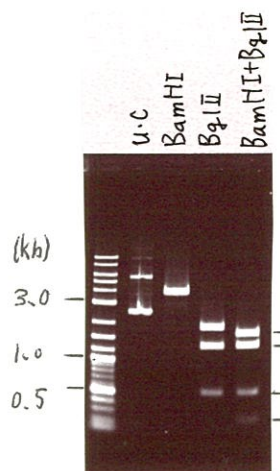
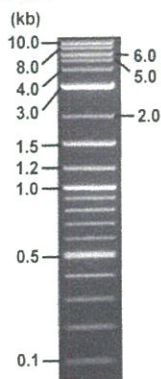
< Size of fragment expected from this clone >

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

BamHI	3.6	kb	
BglII	1.8, 1.3, 0.5	kb	
BamHI + BglII	1.6kb (Vector)	1.3, 0.5, 0.2	kb

Erectrophoresis : 1% agarose gel, 1x TAE Buffer

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



● Adjust plasmid DNA solution to 25 ng/ul

Date : 170807

DNA ( <u>158</u> ng/ul)	80.0	ul
10x TE	50.5	ul
dH <sub>2</sub> O	375.1	ul
Total	505.6	ul

● Confirmation of the insertion sequence

Date : 170802

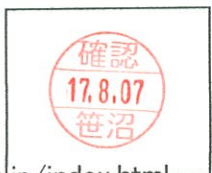
Primer A	pOTB7_F
Primer B	pOTB7_R
Primer C	-
List of Sequencing Primers	<a href="http://dna.brc.riken.jp/en/GNPclone3en.html">http://dna.brc.riken.jp/en/GNPclone3en.html</a>

● Shipping

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

APPROVED BY :

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



S/N G:216 A:217 T:160 C:247

Primer A: pOTB7-F

IRAL001C15\_A7Gv\_pOTB7\_F

Aug 02,2017 03:19PM, JST

KB.bcp

KB\_3500\_POP7\_BDTv3.mob

Gray line indicates quality value

Aug 02,2017 03:36PM, JST

KB 1.4.1.8 Cap:1

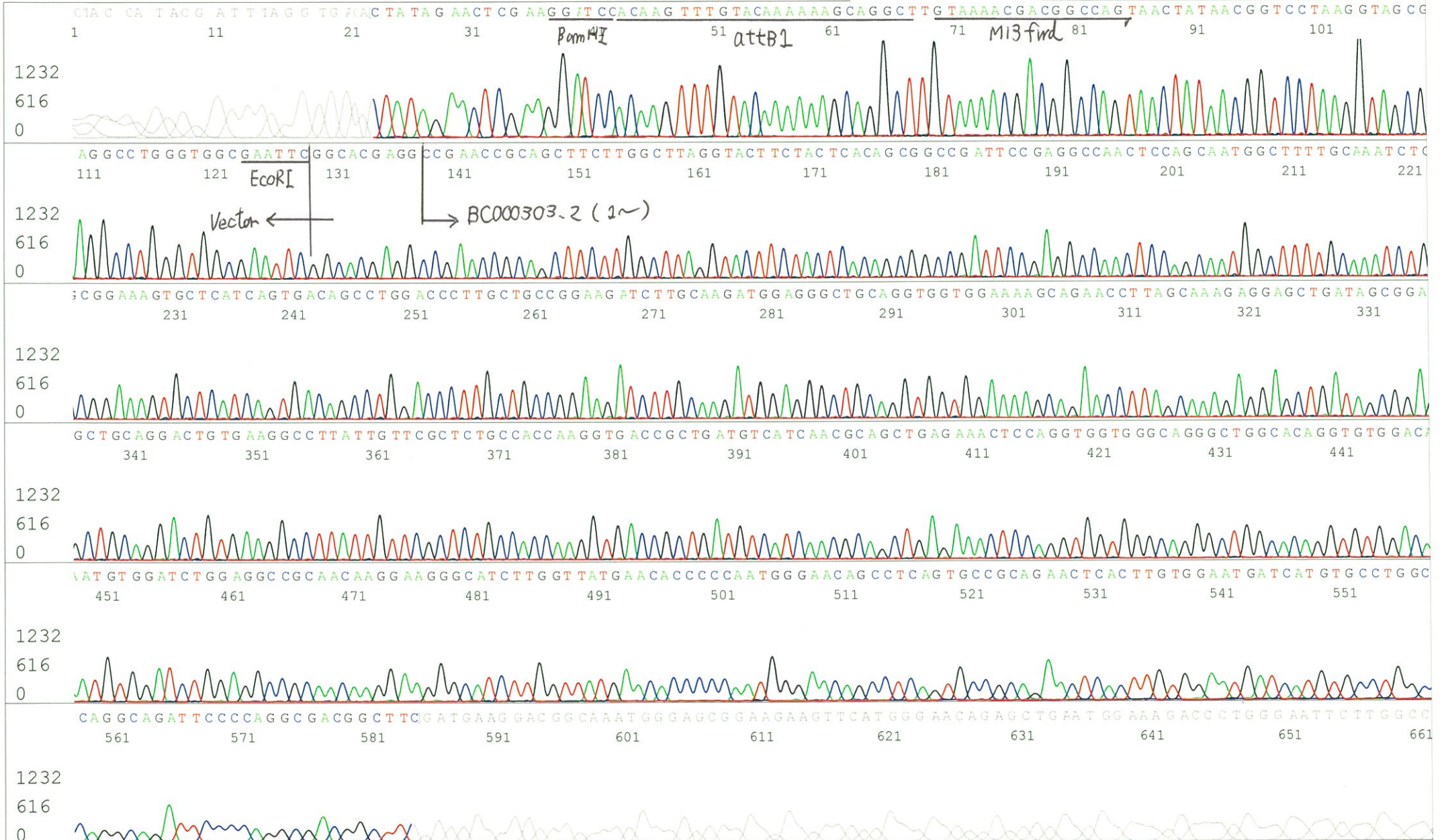
5' AACGCGGCTACAATTAATACATAACC 3'

Pts 1775 to 8707 Pk1 Loc:1743

Version 6.0 HiSQV Bases: 698 (QV) < 40.

Spacing:10.63 Pts/Panel1350

Plate Name: 20170802\_mix



S/N G:433 A:381 T:440 C:65

Primer B: pOTB7-R

IRAL001C15\_A7Gv\_pOTB7\_R

Aug 02,2017 03:19PM, JST

KB.bcp

KB\_3500\_POP7\_BDTv3.mob

Gray line indicates quality value

Aug 02,2017 03:36PM, JST

KB 1.4.1.8 Cap:4

5' GTACTGCAGCCGATTCATTAATGC 3'

Pts 1762 to 8707 Pk1 Loc:1730

(QV) < 40.

Spacing:10.51 Pts/Panel1350

Version 6.0 HiSQV Bases: 676

Plate Name: 20170802\_mix

