

RIKEN Clone ID : PC010177-43 (17-D10)

Vector : pET11a

Locus tag	TTHA0177
Insert size	237 bp
Product	ferredoxin

● Plasmid DNA purification

Date : 120409

Culture : LB (100 ug/ml Ampicillin) 5 ml -> 37°C O/N

Date : 120410

Purification : QIAGEN Miniprep kit -> dH₂O 100 ul

● Digestion by restriction enzyme/Concentration calibration

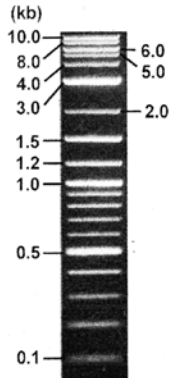
Date : 120410

DNA concentration (O.D.): 32.5 ng/ul

DNA	2 ul
Enzyme (BglII + EcoRI)	0.5 + 0.5 ul
Buffer H	1 ul
dH ₂ O	6 ul
Total	10 ul

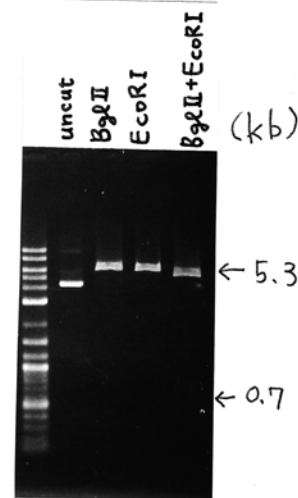
Electrophoresis : 1% agarose gel, 1x TAE Buffer

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



<Expected digestion pattern from PC010177-43 (17-D10) >

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5250, 665 bp



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

Date : 120411

Shipped : 25 ng/ul, 40 ul

DNA (<u>32.5</u> ng/ul)	75.0 ul
10x TE	9.8 ul
dH ₂ O	12.7 ul
Total	97.5 ul

