

Thermus thermophilus HB8 expression plasmid

RIKEN clone ID: PC011324-41(18-D08)

Vector : pET3a	Locus tag	TTHA1324
	Insert size	2457 bp
	Product	DNA mismatch repair protein MutS

●Plasmid DNA purification

Date : 110913 Culture : LB (25 ug/ml Ampicillin) 5 ml →37°C O/N

Date : 110914 Purification : QIAGEN Miniprep kit→dH₂O 100 ul

●Digestion by restriction enzyme / Concentration calibration

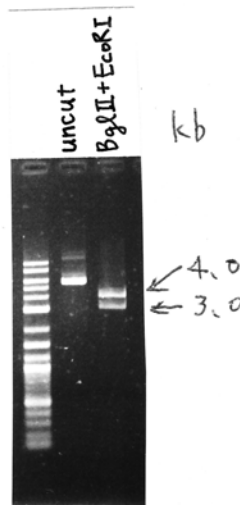
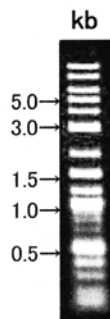
Date : 110914

DNA concentration (O.D.): 61 ng/ul

DNA	1 ul
Restriction enzyme (Bgl II + EcoR I)	0.5+0.5 ul
Buffer H	1 ul
dH ₂ O	7 ul
Total	10 ul

Electrophoresis: 1% agarose gel, 1 × TAE Buffer

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



<Expected digestion pattern >

4031, 3067 bp

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

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

Final concentration: 25 ng/ul

DNA (<u>61</u> ng/ul)	80 ul
10 × TE	19.5 ul
dH ₂ O	95.7 ul
Total	195.2 ul

