

Microbial Genomic DNA

RIKEN DNA Bank catalog #

JGD : **12612**Strain : **JCM 13213^T**Lot # : **12612_A3K8**Organism : ***Thermodesulfovibrio aggregans***

1. Shipping

Volume : **20** uL

2. Concentration of Genomic DNA

Concentration (OD 260) :

57 ng/uL

A260 / A280 :

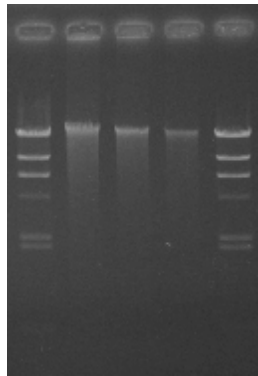
1.87

3. Electrophoresis of Genomic DNA

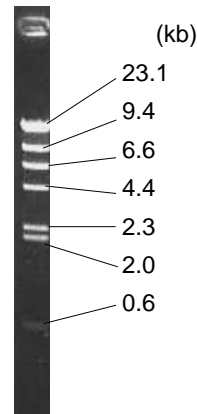
Electrophoresis : 1% agarose gel, 1x TAE buffer

Loading DNA amount : **4, 2, 1** uL/lane

size marker : Lambda / HindIII (200 ng/Lane)

4, 2, 1 (uL)Date : **2016/4/6**

Marker (Lambda / HindIII, NEB#3012S)



4. PCR Amplification

Conditions of PCR Ribosomal RNA (rRNA) gene

Template : 100 fold diluted DNA, 1 uL

Enzyme : KOD plus (TOYOBO)

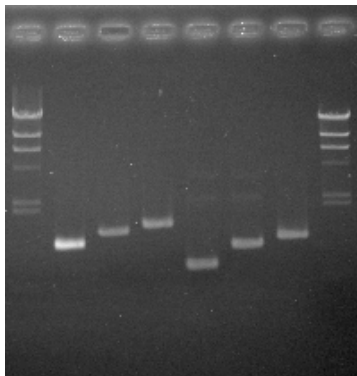
Volume : 20 uL

Reaction program :

94 degC	2 min
94 degC	15 sec
60 degC	30 sec
68 degC	60 sec
68 degC	2 min

x 30 cycle

(1) (2) (3) (4) (5) (6)

Date : **2016/4/7**

PCR primers for 16S rRNA

EB-20F	5'- AGTTTGATCCTGGCTC -3'
EB-350F	5'- TACGGGAGGCAGCAG -3'
EB-1100R	5'- AGGGTTGCGCTCGTTG -3'
EB-1400R	5'- ACGGGCGGTGTGTAC -3'
EB-1530R	5'- AAGGAGGTGATCCAGCC -3'

Sample Number

	EB-20F	EB-350F
EB-1100R	(1)	(4)
EB-1400R	(2)	(5)
EB-1530R	(3)	(6)

Electrophoresis : 1% agarose gel, 1x TAE buffer

Loading DNA amount : 3 uL PCR product/Lane

Size marker : Lambda / HindIII (200ng/Lane)

5. Nucleotide sequence of rRNA gene

Confirmed Date : **2016/4/8**