

# Microbial Genomic DNA

Strain: JCM 18461<sup>T</sup>  
Organism: *Lactobacillus hokkaidonensis*

RIKEN DNA Bank catalog #

JGD	12562
-----	-------

Lot # :	12562_A3K8
---------	------------

## 1. Shipping

Volume: 60 ul

## 2. Concentration of Genomic DNA

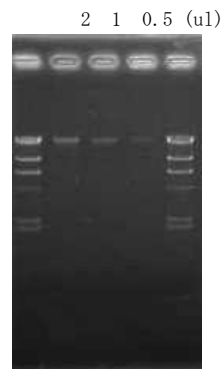
Concentration (OD<sub>260</sub>) : 23 ng/ul  
A<sub>260</sub>/A<sub>280</sub> : 1.94

## 3. Electrophoresis of Genomic DNA

Date : 2015/7/14

Electrophoresis : 1% agarose gel, 1x TAE buffer  
Loading DNA amount : 2, 1, 0.5 ul/lane  
Size marker : Lambda/HindIII (200 ng/lane)

Marker  
Lambda/HindIII  
(NEB#N3012S)



23.1  
6.6  
2.3  
0.6  
(Kb)

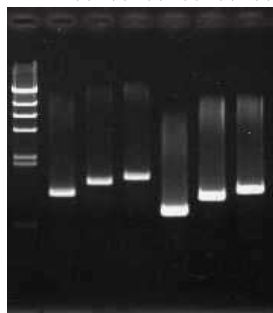
## 4. PCR Amplification

Date : 2014/3/20

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  
x30 cycle ( 94 degC 15 sec )  
( 60 degC 30 sec )  
( 68 degC 60 sec )  
68 degC 2 min  
(1) (2) (3) (4) (5) (6)



Electrophoresis : 1% agarose gel, 1x TAE buffer  
Loading DNA amount : 5 ul PCR product/lane  
Size marker : Lambda/HindIII (200 ng/lane)

## PCR primers

16S rRNA Eubacteria set	
EB-20F	5' AGTTTGATCCTGGCTC 3'
EB-350F	5' TACGGGAGGCAGCAG 3'
EB-1100R	5' AGGGTTGCGCTCGTTG 3'
EB-1400R	5' ACGGCGGTGTGTAC 3'
EB-1530R	5' AAGGAGGTGATCCAGCC 3'

## Sample Number

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

## 5. Nucleotide sequence of rRNA gene

Confirmed date : 2014/3/26