Gene Engineering Division
RIKEN BioResource Research Center

RIKEN DNA BANK host name : ML3

● **Clone ID** : RDB _ 15928

● **Lot** : 15928 _ A8Ea

● **Form** : Recombinant in Stab agar

● **Culture** : 37C, LB + Kanamycin (25 μg/mL)
Use appropriate media when using for experiments.

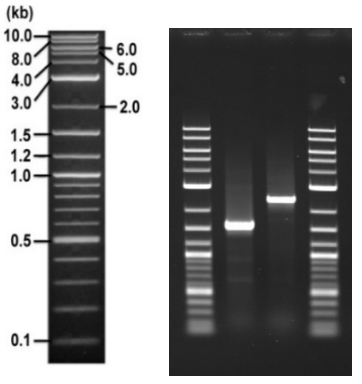
● **Primers** Please refer to depositor's primer list (**PMID:26577727, Table 4**) for primer sequences.

Primer A	:	hisG.ext.F	(Pr 690)	Primer K	:	-	-
Primer B	:	hisG.ext.R	(Pr 691)	Primer L	:	-	-
Primer C	:	-	-	Primer M	:	-	-
Primer D	:	-	-	Primer N	:	-	-
Primer E	:	-	-	Primer O	:	-	-
Primer F	:	-	-	Primer P	:	-	-
Primer G	:	-	-	Primer Q	:	-	-
Primer H	:	-	-	Primer R	:	-	-
Primer I	:	-	-	Primer S	:	-	-
Primer J	:	-	-	Primer T	:	-	-

● **PCR Amplification** The lane to which the 250ng/well 1kb Plus Ladder (NEB#N3200) marker is applied is indicated as **(M)**.

15928

Lane No. **(M) (1) (2) (M)**



<Condition and Reaction program>
template : genomic DNA 1 μL
Enzyme : AmpliTaq Gold® 360 DNA Polymerase (Thermo Fisher)
total volume : 10 μL

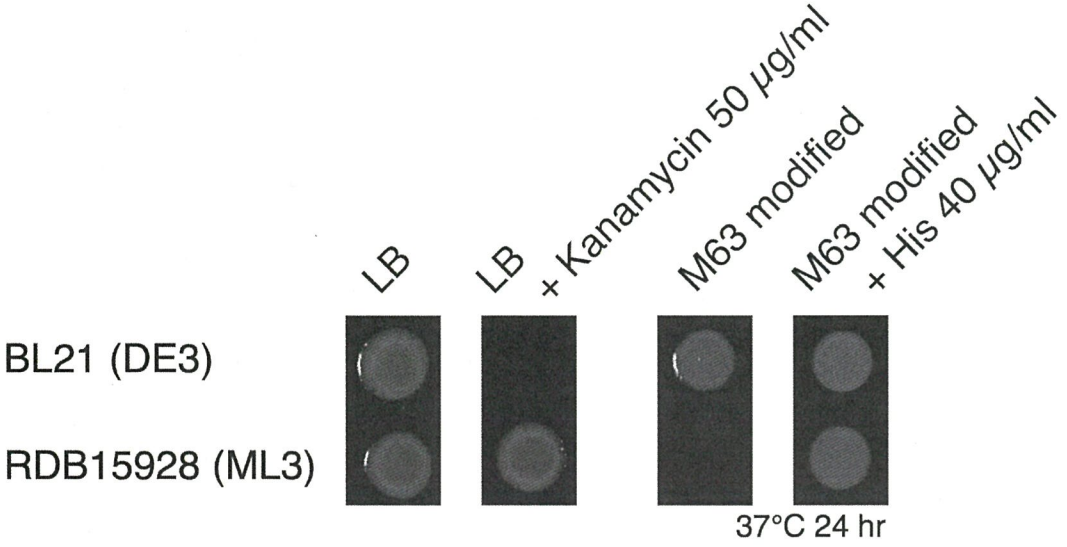
96 deg C	2 min	
96 deg C	15 sec	x 35 cycles
55 deg C	15 sec	
72 deg C	3 min	
72 deg C	5 min	
4 deg C	∞	

◆ **Lane number and size of fragment** BL21(DE3) has used as a control.

Confirmed deletion / Templete		***hisG***	-	-	-	-
		Primer A + B	-	-	-	-
host	**RDB15928**	(1), 1.6 kb	-	-	-	-
	BL21(DE3)	(2), 2.4 kb	-	-	-	-

Confirmed deletion		-	-	-	-	-
		-	-	-	-	-
host	**RDB15928**	-	-	-	-	-
	BL21(DE3)	-	-	-	-	-

GED, RIEKN BRC, Nov. 01 2025



OD600 ≈ 0.1 culture x 5 μL spot

M63 modified medium:

3 g/L KH_2PO_4, 7 g/L K_2HPO_4, 2 g/L Glucose, 2 g/L NH_4Cl,

10 mg/L Thiamine, 10 μM $CuSO_4$, 30 μM $FeSO_4$, 1 mM $MgSO_4$

