PCR protocol

Sheet ID PS_03419
Release date : 3/10/2014
Print date : 3/10/2014

RBRC 02138 **Strain name** OMP-Cre

Primer	primer_name	primer_seq	length		
1	MK96	AAAGGCCTCTACAGTCTATAG	21		Depositor's primer
2	02138_Rv	CAGTCTTCGGTTACCTCCATGTG	23		RIKEN BRC
3	MK98	TCCTGGCAGCGATCGCTATT	20		Depositor's primer

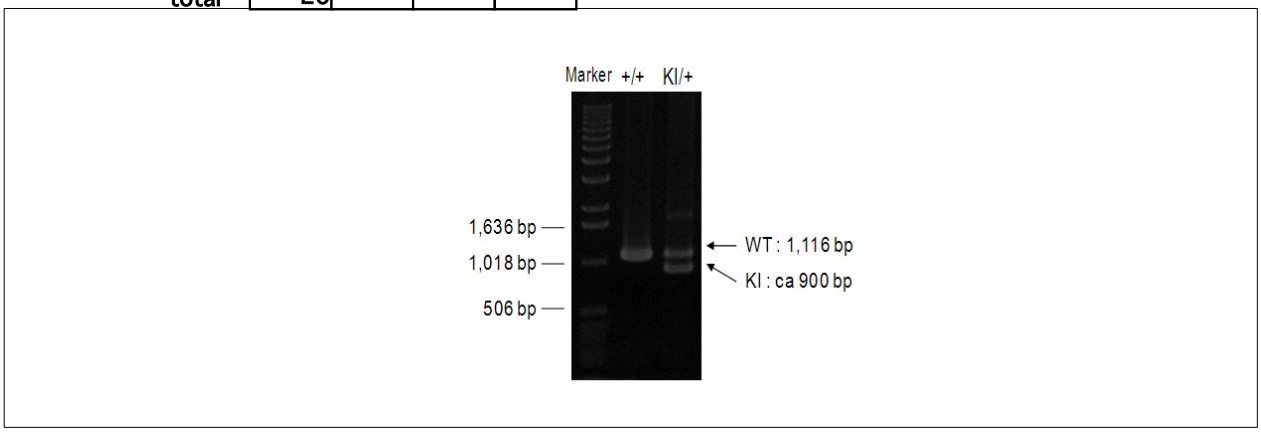
Reaction Components

Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		12.3			
PCR buffer	10 X	2.0			
dNTP	2.5 mM	1.6			
primer 1	10 pmol/μl	1.0			
primer 2	10 pmol/μl	1.0			
primer 3	10 pmol/μl	1.0			
DNA		1.0			
Taq		0.1			
	total	20			

Reaction Conditions

step	temp (℃)	time (sec)		note
1	94	180		
2	94	30	*	
3	60	30	*	
4	72	60	*	*Repeat for 30 cycles
5	72	300		



Marker

1 kb DNA ladder (Invitrogen, Cat. 15615-024)

Gel

1% agarose in 1 X TAE (100 V, 30 min)

PCR products

primer_set		product_size	product
primer 1	primer 2	1,116 bp	WT
primer 2	primer 3	ca 900 bp	KI

Comment