

BRC\_No 00891 Strain name MINT-KO (C57BL/6 background)

Primer			
	primer_name	primer_seq	length
1	RAM7F	GAGGGGAAACTGGCTGATAAAAAGGACGAG	30
2	RAM7R	GTCACGACGGTGACGGTGACGGCAGGAAG	29
3	PGKF	GCGCCTACCGGTGGATGTGGAATGTGTGCC	30

Reaction Components

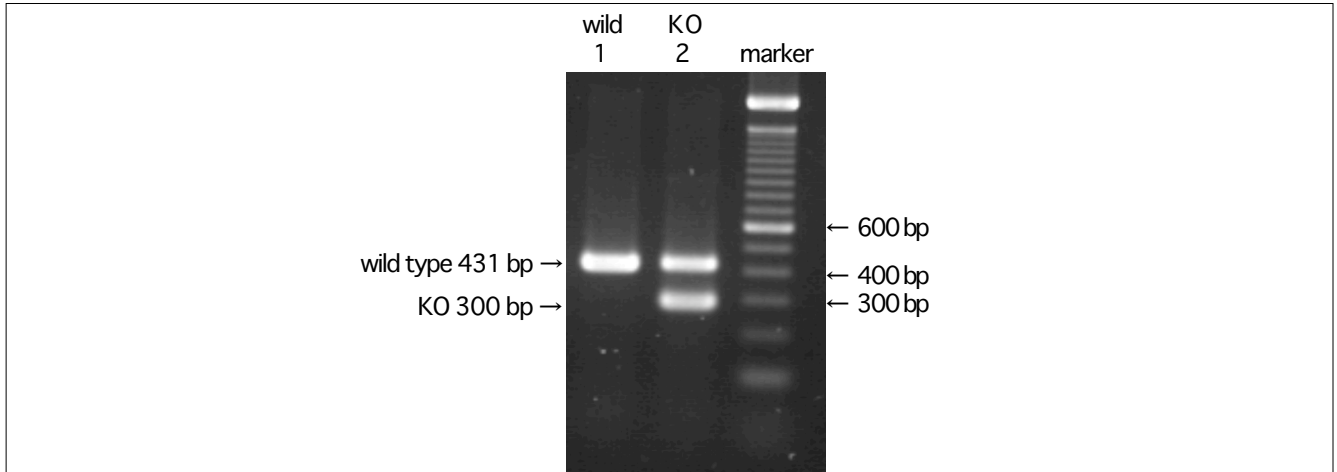
Enzyme 

TaKaRa LA Taq with GC buffer
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Reaction Conditions

Conc	Run 1	Run 2	Run 3
H2O	3.8		
PCR buffer 2 X	10.0		
dNTP 2.5 mM	2.0		
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	0.2		
total	20		

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



**Marker**  
100 bp ladder (Invitrogen, Cat. 15628-050)

**Gel**  
2% agarose in 1 X TAE (100 V, 30 min)

PCR products

primer_set	product_size	product
primer 1 primer 3	300 bp	KO
primer 1 primer 2	431 bp	wild

Comment