RIKEN BRC

Jan. 13, 2006

BRC_No 01351 **Strain name** C57BL/6-Grm2 tm

Primer

	primer_name	primer_seq	length
1	MG2F	CTTAGGTTCCTGGCACTGCT	20
2	MG2R2	TTGATGCGGTCCAGTGCAA	19
3	MG2NeoR3	AACTGTTCGCCAGGCTCAA	19

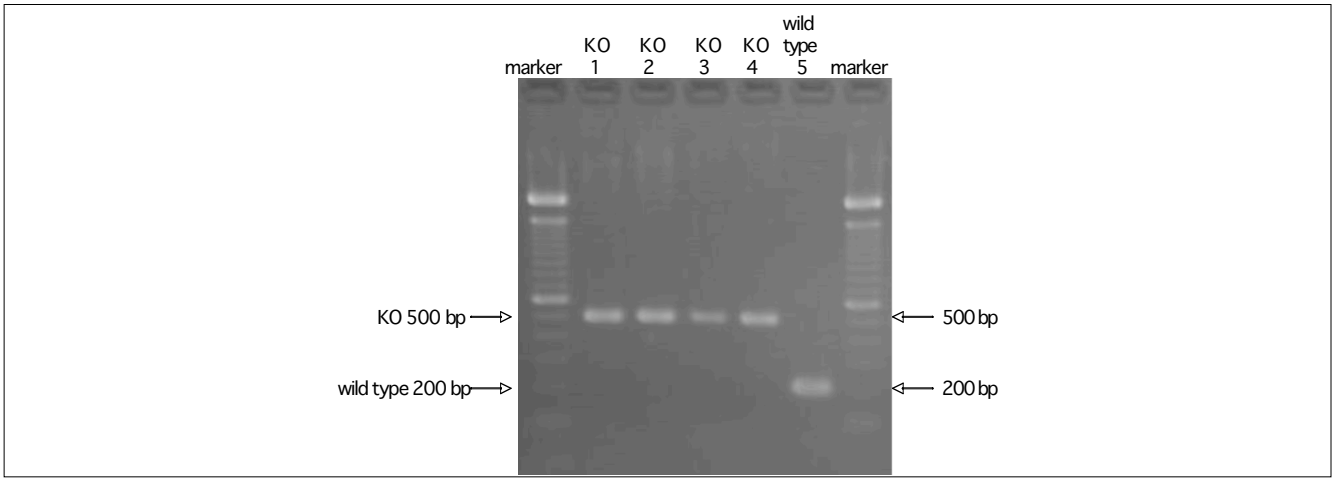
Reaction Components

Enzyme Roche Taq (Cat. No. BM1418432)

	Conc	Run 1	Run 2	Run 3
H2O		16.3		
PCR buffer	10 X	2.5		
dNTP	2.5mM	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	25	

Reaction Conditions

step	temp (℃)	time (sec)	note
1	94	180	
2	94	30	*
3	60	30	*
4	72	60	* *Repeat for 35 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	500 bp	KO
primer 1	primer 2	200 bp	wild

Comment