RIKEN BRC

Dec. 27, 2005

BRC_No 01235 **Strain name** Glepp1 欠損マウス

Primer

	primer_name	primer_seq	length	
1	GKO#2	AGCACGTTCTAGCAGGACTCG	21	
2	GKO#4	TTGCCAAGTTCTAATTCCATC	21	
3	GKO#6	CCCGCAAGCTCATCGCTGAGG	21	

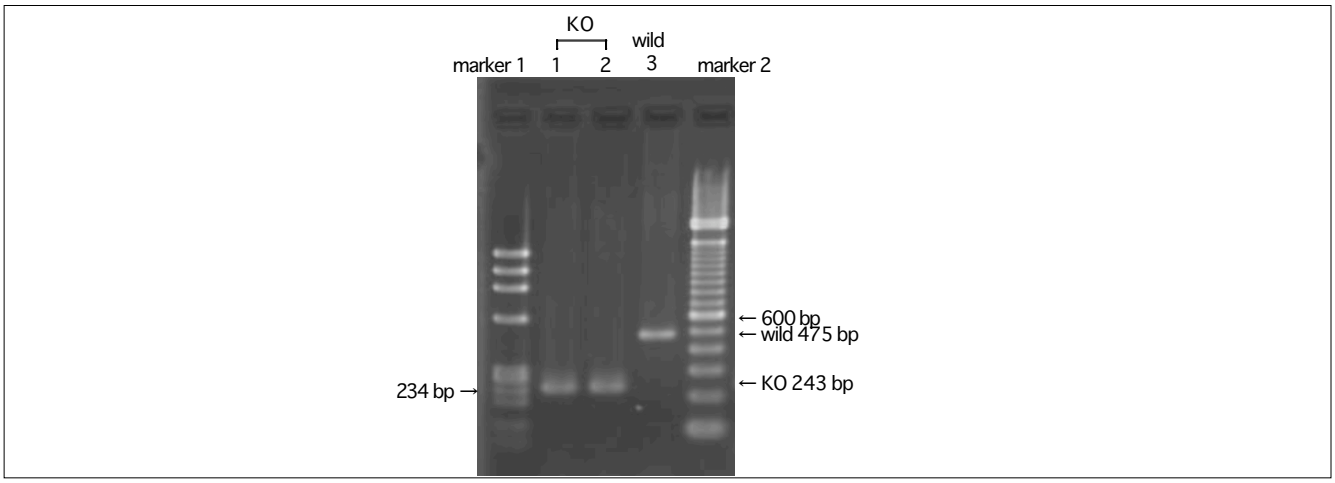
Reaction Components

Enzyme Roche Taq (Cat. No. BM1418432)

	Conc	Run 1	Run 2	Run 3
H2O		14.3		
PCR buffer	10 X	2.5		
dNTP	2.5 mM	2.0		
primer 1	10 pmol/μl	1.0		
primer 2	10 pmol/μl	2.0		
primer 3	10 pmol/μl	2.0		
DNA		0.2		
Taq		1.0		
	total	25		

Reaction Conditions

step	temp (℃)	time (sec)	note
1	94	180	
2	94	30	*
3	58	30	*
4	72	60	* *Repeat for 30 cycles
5	72	300	



Marker

marker 1: ϕX174 Hae III, maker2: 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 2	primer 3	243 bp	KO
primer 1	primer 3	475 bp	wild

Comment