

PCR protocol

RBRC 00440

Strain name Gab1 Knockout mice

Primer	primer_name	primer_seq	length	
1	Gab1 1178Upper	GCGCCTTCTTTGCATCACCTCATCT	25	Depositor's primer
2	Gab1 1356Lower	GGTAAAGCAGGTCTAGGTGGCTGACAGTCT	30	Depositor's primer
3	Gab1 geo 1443 Lower	TCCTCCACCCTGGGGTTCGTGTCCTAC	27	Depositor's primer

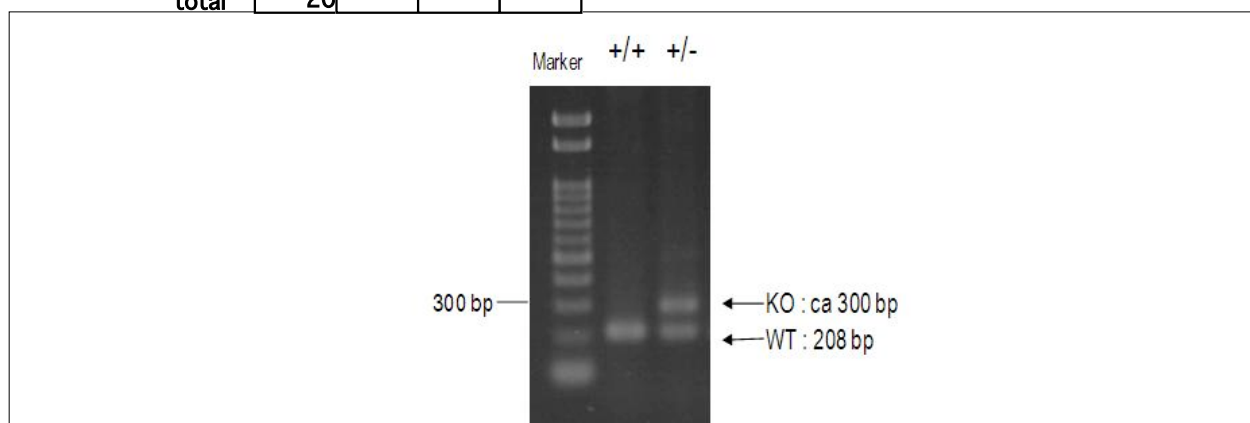
Reaction Components

Enzyme	TaKaRa Ex Taq (Cat. No. RR001A)
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Reaction Conditions

	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/ μ l	1.0			
primer 2	10 pmol/ μ l	1.0			
primer 3	10 pmol/ μ l	1.0			
DNA		1.0			
Taq	5U/ μ l	0.1			
total		20			

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



Marker

Gene Ladder 100 (Wako, Cat. 316-06951)

Gel

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

PCR products

primer_set	product_size	product
primer 1	primer 3	ca 300 bp
primer 1	primer 2	208 bp

Comment