



RBRC 00753

Strain name CD100 Knockout mice

Primer	primer_name	primer_seq	length	
1		CTGGAGACCTCTCTGAGGCTG	21	RIKEN BRC
2		GTCCTTGCTGCTACCCACAGCAG	24	Depositor's primer
3	Neo_F	GGTGGAGAGGCTATTCGGCTATG	23	RIKEN BRC

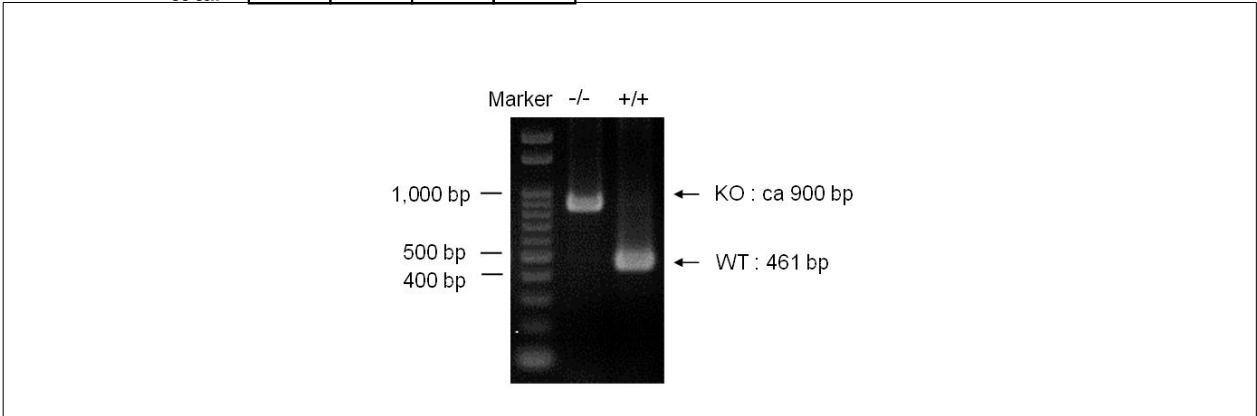
**Reaction Components**

Enzyme TOYOBO KOD FX (Code.No : KFX-101)

**Reaction Conditions**

step	temp (°C)	time (sec)	note
1	94	120	
2	98	10*	
3	60	30*	
4	68	60*	*Repeat for 30 cycles

	Conc	Run 1	Run 2	Run 3	Run 4
Taq		1.8			
PCR buffer	2 X	10.0			
dNTP	2.0 mM	4.0			
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	1 U/μl	0.2			
<b>total</b>		<b>20</b>			



**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 2	461 bp	WT
primer 2	primer 3	ca 900 bp	KO

Comment