

RBRC 06240

Strain name B6.129P2-Hmgb1 <tm1Ttg>

Primer	primer_name	primer_seq	length	
1	HMGB1 flox F	TGTCATGCCACCCTGAGCAGTT	22	Depositor's primer
2	HMGB1 flox R	TGTGCTCCTCCCGCAAGTT	20	Depositor's primer
3	int4_Rv	GCATTCTACAGGTTACAGCCAG	23	RIKEN BRC

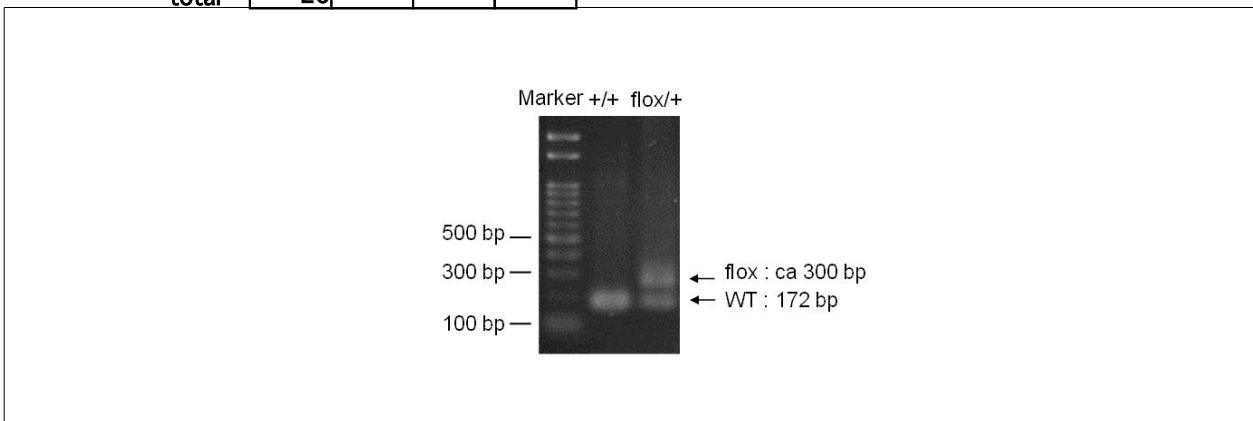
### Reaction Components

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

### Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		1.8			
PCR buffer	2 X	10.0			
dNTP	2.0 mM	4.0			
primer 1	10 pmol/ $\mu$ l	1.0			
primer 2	10 pmol/ $\mu$ l	1.0			
primer 3	10 pmol/ $\mu$ l	1.0			
DNA		1.0			
Taq	1 U/ $\mu$ l	0.2			
<b>total</b>		<b>20</b>			

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



### 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	172 bp	WT
	primer 1 primer 2	ca 300 bp	flox
	primer 1 primer 3		null

**Comment** Novagen KOD Xtreme™ Hot Start DNA Polymerase can be purchased from EMD.

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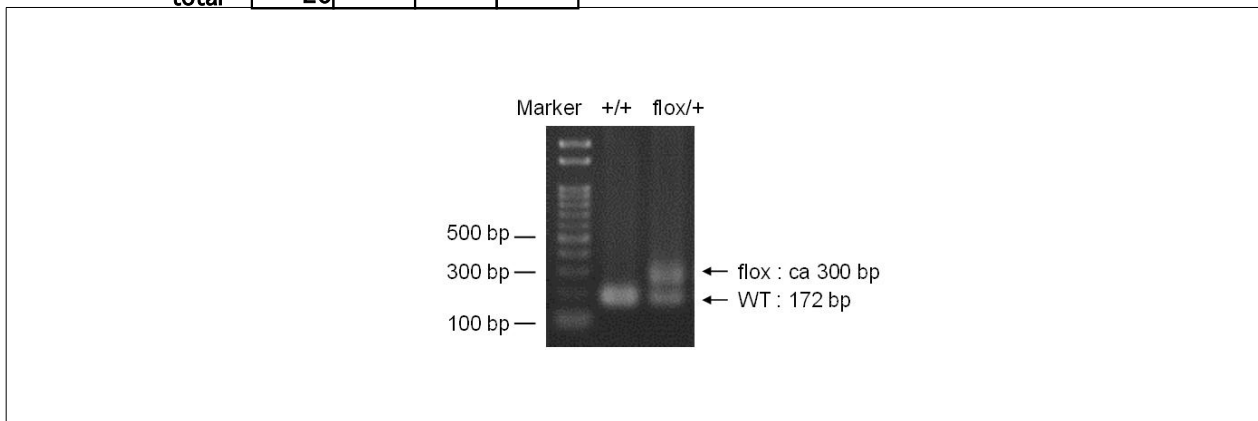
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