

RBRC 06238

Strain name ICR.Cg-Capn6&lt;tm1Hiso&gt;

Primer	primer_name	primer_seq	length	
1		GAAGCTACTGCAGCCACTGCC	21	RIKEN BRC
2		CCTCCCTCCTCCATTGCAGCC	21	RIKEN BRC
3	LacZ-rv	TTCAATCAACTGTTTACCTTGTGGAG	26	

**Reaction Components**

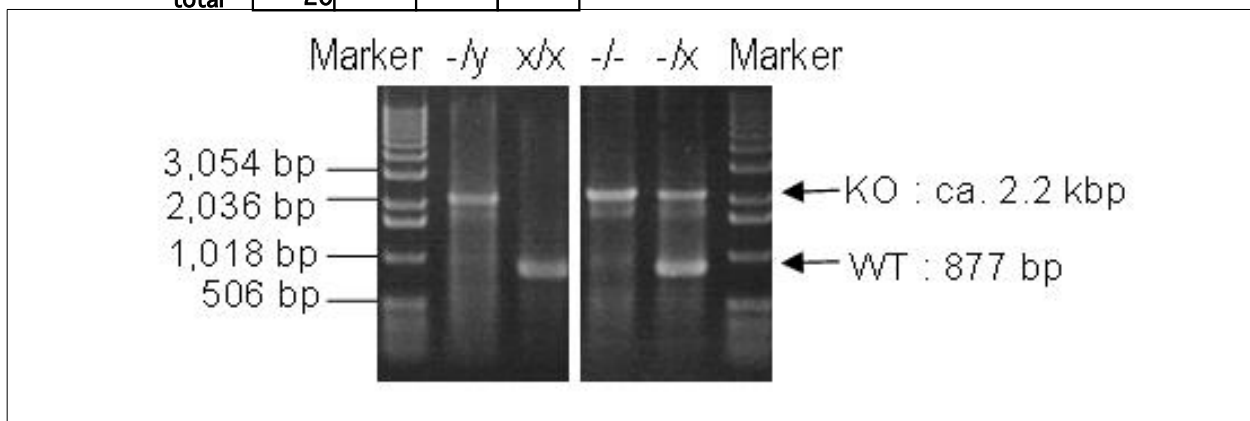
Enzyme TOYOBO KOD FX (Code.No : KFX-101)

**Reaction Conditions**

step	temp (°C)	time (sec)	note
1	94	120	
2	98	10*	
3	60	30*	
4	68	180*	*Repeat for 30 cycles

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		1.8			
PCR buffer	2 X	10.0			
dNTP	2 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>			

## Standard PCR



**Marker**  
 1 kb DNA ladder (Invitrogen, Cat. 15615-024)

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

PCR products		primer_set	product_size	product
primer 1	primer 2		877 bp	WT
primer 1	primer 3		ca. 2.2 kbp	KO

Comment