

RBRC 03511

Strain name LGN(loxP,Venus) (Acc.No. CDB0452K)

Primer	primer_name	primer_seq	length	
1	Ex15_r	GAATCTAGTCACGCACACAGAATCTC	26	RIKEN BRC
2	Ex15_f	GATGTGCTCCTCCATCTGCTGC	22	RIKEN BRC
3	In 12_f	CCTAGGAAGCTAGGTGTTACTCAG	24	RIKEN BRC

Reaction Components

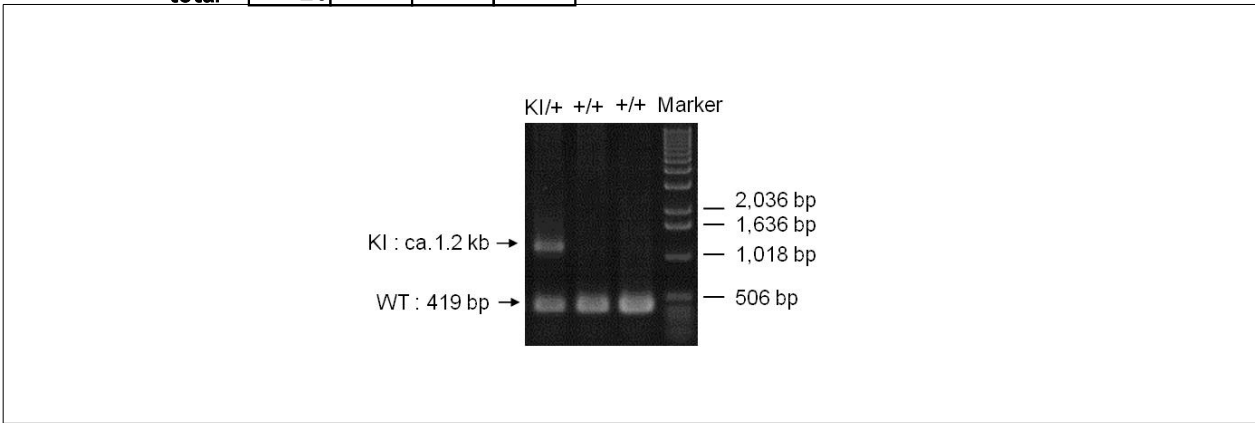
Enzyme TOYOBO KOD FX (Code.No : KFX-101)

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/ μ l	1.0			
primer 2	10 pmol/ μ l	1.0			
primer 3	10 pmol/ μ l	1.0			
DNA		1.0			
Taq	1 U/ μ l	0.2			
total		20			

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

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_1	primer_2	product_size	product
primer 1	primer 2	419 bp	WT
primer 1	primer 2	ca 1.2 kb	KI
primer 1	primer 3		KO

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