

RBRC 05522

Strain name B6.129S7-Sox9<tm1(cre/ERT2)Haak>

Primer	primer_name	primer_seq	length	
1	exon 3 F	CCAGATGGACCCACCAGTATCAG	23	RIKEN BRC
2	exon 3 R	GGGACACTCTTGAAGTAGGAGTAG	24	RIKEN BRC
3	CW-Cre2	TCCGGTTATTCAACTTGCACCATGC	25	Nature, 406(6797): 726-731 (2000).

Reaction Components

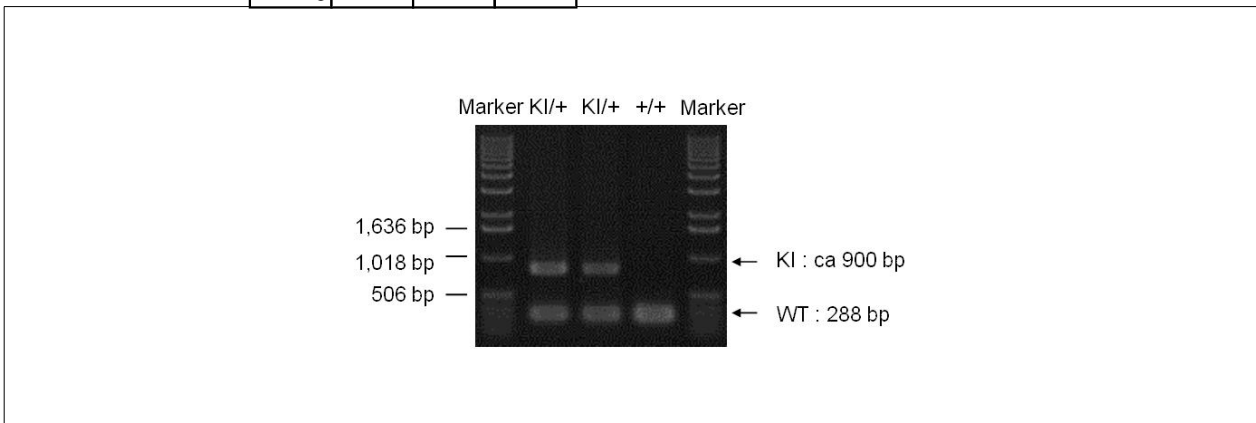
Enzyme TOYOBO KOD FX (Code.No : KFX-101)

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
H2O		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			
total		20			

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	288 bp	WT
primer 1	primer 3	ca 900 bp	KI

Comment