



PCR protocol

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RBRC 11316

Strain name C57BL/6-Oxt^{tm1.1(Cre)}Ksak

Primer	primer_name	primer_seq	length	Reference
1	OXT-F1	TCGGGTTTGCAGCTCAGAAC	20	Depositor's primer
2	OXT-seqR1	ATGCCAAGATCCACGGCGTT	20	Depositor's primer
3	iCreNTR1	AGCATCTTCCAGGTGTGTTTAC	22	Depositor's primer

Reaction Components

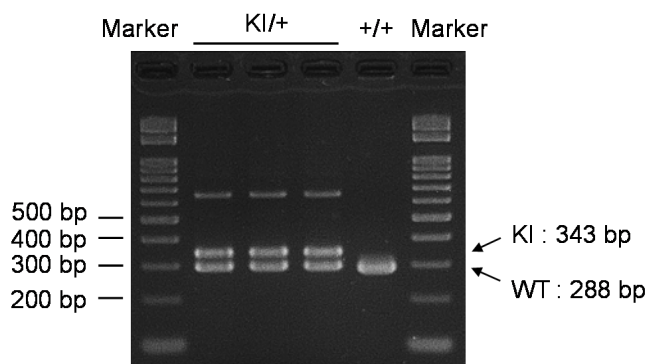
Enzyme	TOYOBO KOD FX (Code.No : KFX-101)
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Reaction Conditions

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

Reagent	Conc	Reaction 1	2	3	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			

Marker	Gene Ladder 100 (Wako, Cat. 316-06951)
Gel	3% Nusieve in 0.5 X TBE (100 V, 50 min)



primer_set	product_size	product (allele type)
primer 1	primer 2	288 bp WT
primer 1	primer 3	343 bp KI

Comment [Standard PCR](#)

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