

RBRC 10081

Strain name B6;Cg-Gt(ROSA)26Sor<tm1(CAG-NGFR*)Mtac>

Primer	primer_name	primer_seq	length	Reference
1		AGTAAGGGAGCTGCAGTGGAG	21	RIKEN BRC
2		TTACATAGTCTAACTCGCGACACTG	25	RIKEN BRC
3	5CAG	CCTACAGCTCCTGGGCAACGTGC	23	RIKEN BRC

Reaction Components

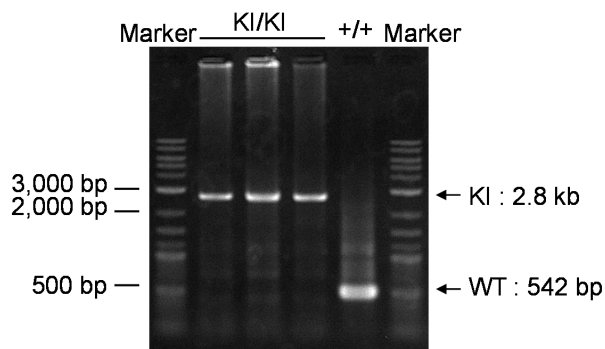
Enzyme	TOYOBO KOD FX (Code.No : KFX-101)
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Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	120	
2	98	10*	
3	60	30*	
4	68	240*	*Repeat for 30 cycles

Reagent	Conc	Reaction 1	2	3	4
H2O		1.8			
PCR buffer	2 X	10.0			
dNTP	2 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			

Marker	2-Log DNA Ladder (NEB, Cat. N3200)
Gel	1% agarose in 1 X TAE (100 V, 30 min)



primer_set	product_size	product (allele type)	
primer 1	542 bp	WT	+/- : 542 bp KI/+ : 542 bp, 2.8 kb KI/KI : 2.8 kb
primer 2	2.8 kb	KI	

Comment [Standard PCR](#)

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