

PCR protocol

RBRC 00457

Strain name B6.129P2-Prkcd<tm1Kin>

Primer	primer_name	primer_seq	length
1	KN228	GGAAGAATAAGAAACTGCATCACC	24
2	KN229	GAAGGAGCCAGAACCGAAAG	20
3	KN230	TGGGGTGGGATTAGATAAATG	21

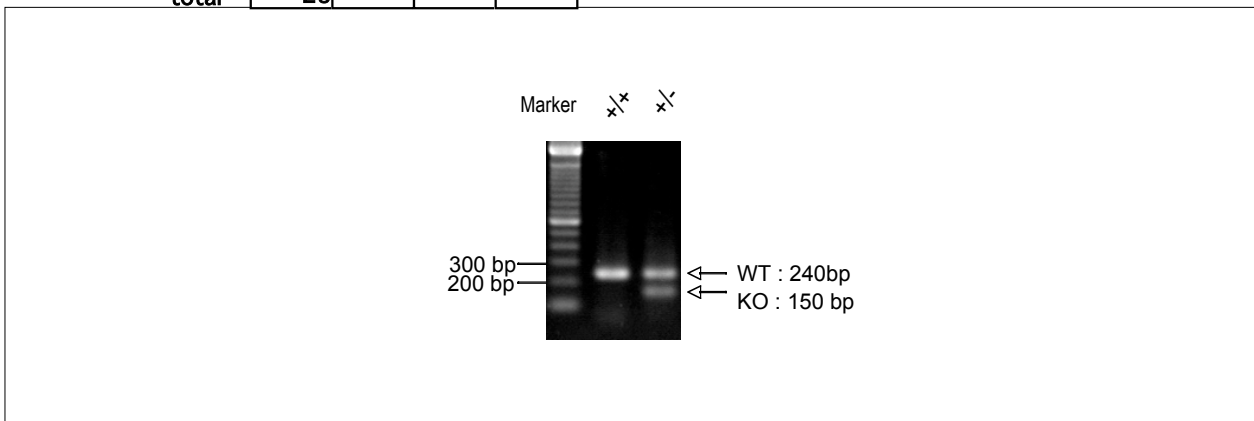
Reaction Components

Enzyme	TaKaRa Ex Taq (Cat. No. RR001A)
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Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	57	30*	
4	72	60*	*Repeat for 30 cycles
5	72	300	

Conc	Run 1	Run 2	Run 3	Run 4
H2O	16.3			
PCR buffer	2.5			
dNTP	2.0			
primer 1	1.0			
primer 2	1.0			
primer 3	1.0			
DNA	1.0			
Taq	0.2			
total	25			


Marker

100 bp ladder (Invitrogen, Cat. 15628-050)
Gel 2% agarose in 1 X TAE (100 V, 30 min)

PCR products

primer_set	product_size	product
primer 1 primer 2	240 bp	wild
primer 1 primer 3	150 bp	KO

Comment