

PCR protocol

RBRC 01082

Strain name B6.129S-Drd3<tm1Mok>

Primer	primer_name	primer_seq	length	
1	01082F	CTGATGATCTCTACCTCTGCTAGCC	25	RIKEN BRC
2	01082R	ACAGCCAGGCTCACCCTAGGTAG	24	RIKEN BRC
3	Neo10	ATCAGAGCAGCCGATTGTCTGTTG	24	Depositor's primer

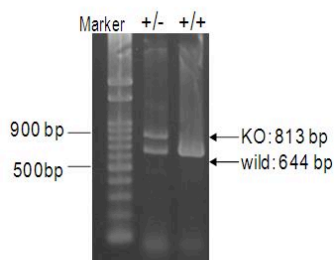
Reaction Components

Enzyme TaKaRa LA Taq with GC buffer (Cat. No. RR02AG)

Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		3.9			
PCR buffer	10 X	10.0			
dNTP	2.5 mM	2.0			
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	5U/ μ l	0.1			
total		20			

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



Marker
 Gene Ladder 100 (Wako, Cat. 316-06951)
Gel
 2% agarose in 1 X TAE (100 V, 30 min)

PCR products			
	primer_set	product_size	product
primer 1	primer 2	644 bp	WT
primer 1	primer 3	813 bp	KO

Comment