PCR protocol

Sheet ID PS_07329
Release date : 5/6/2022
Print date : 5/6/2022

RBRC 01420 **Strain name** B6;129P2-Irf7<tm1Ttg>/TtgRbrc

Primer	primer_name	primer_seq	length		Reference
1	UZU cont F1	GTGGTACCCAGTCCTGCCCTCTTTATAATCT	31		Depositor's primer
2	R813 long	AGTAGATCCAAGCTCCCGGCTAAGTTCGTAC	31		Depositor's primer
3	Neo16c	TCGTGCTTTACGGTATCGCCGCTCCCGATTC	31		Depositor's primer

Reaction Components

Enzyme QIAGEN Multiplex PCR Kit (Cat. No. 206143)

Reagent	Conc	Reaction 1	2	3	4
H2O		1.0			
Master Mix	2 X	5.0			
primer 1	10 pmol/μl	1.0			
primer 2	10 pmol/μl	1.0			
primer 3	10 pmol/μl	1.0			
DNA		1.0			
	total	10			

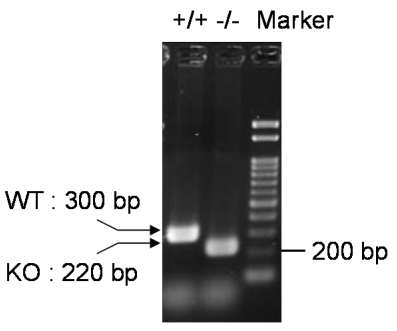
(μL)

Reaction Conditions

step	temp (℃)	time (sec)	note
1	95	900	
2	94	30	*
3	60	90	*
4	72	60	* *Repeat for 30 cycles

Marker Gene Ladder 100 (Wako, Cat. 316-06951)

Gel 2% agarose in 1 X TAE (100 V, 30 min)



primer_set		product_size	product (allele type)
primer 1	primer 2	300 bp	WT
primer 2	primer 3	220 bp	KO

Comment Separated PCR

PCR protocol

Sheet ID PS_00343
Release date : 1/26/2006
Print date : 5/6/2022

RBRC 01420 **Strain name** IRF-7 knockout mice, C57BL/6J

Primer	primer_name	primer_seq	length		Reference
1	UZU cont F1	GTGGTACCCAGTCCTGCCCTCTTTATAATCT	31		Depositor's primer
2	Neo16c	TCGTGCTTTACGGTATCGCCGCTCCCGATTC	31		Depositor's primer
3	R813 long	AGTAGATCCAAGCTCCCGGCTAAGTTCGTAC	31		Depositor's primer

Reaction Components

Enzyme Roche Taq (Cat. No. BM1418432)

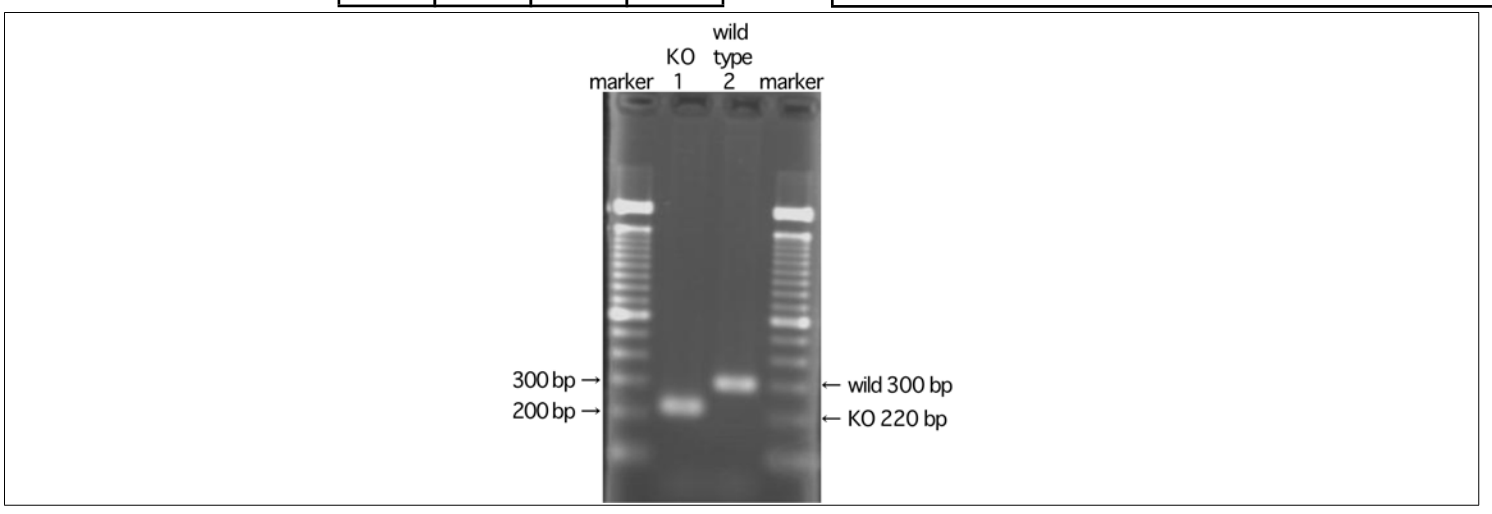
Reagent	Conc	Reaction 1	2	3	4	
H2O		16.3				(μL)
PCR buffer	10 X	2.5				
dNTP	2.5 mM	2.0				
primer 1	10 pmol/μl	1.0				
primer 2	10 pmol/μl	1.0				
primer 3	10 pmol/μl	1.0				
DNA		1.0				
Taq		0.2				
	total	25				

Reaction Conditions

step	temp (℃)	time (sec)	note
1	94	180	
2	94	30	*
3	60	30	*
4	72	60	* *Repeat for 35 cycles
5	72	300	

Marker 100 bp ladder (Invitrogen, Cat. 15628-050)

Gel 2% agarose in 1 X TAE (100 V, 30 min)



primer_set		product_size	product (allele type)
primer 2	primer 3	220 bp	KO
primer 1	primer 3	300 bp	WT

Comment Standard PCR