

PCR protocol

RBRC 01420

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

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

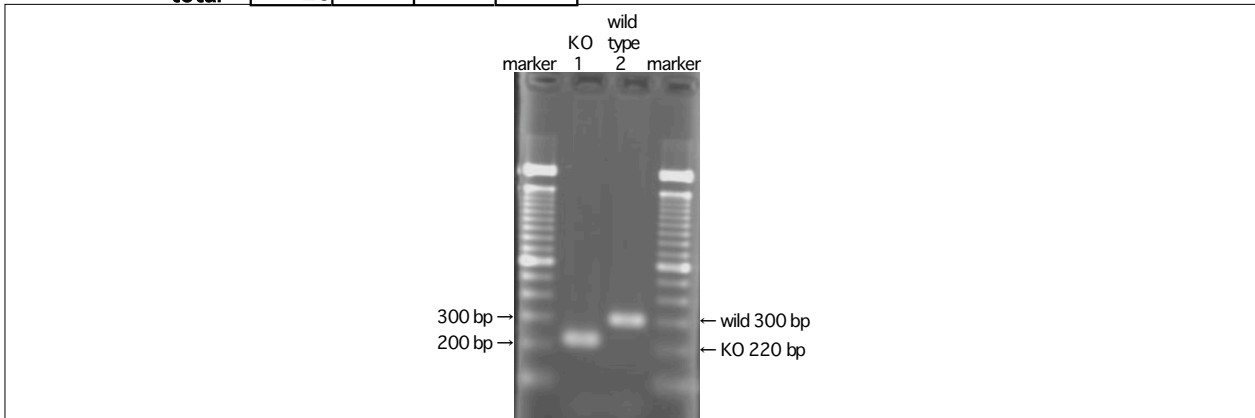
Reaction Components

Enzyme Roche Taq (Cat. No. BM1418432)

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			

Reaction Conditions

step	temp (°C)	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)

PCR products			
primer_set	product_size	product	
primer 2	primer 3	220 bp	KO
primer 1	primer 3	300 bp	WT

Comment