



PCR protocol

Sheet ID PS_08454
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RBRC 11903

Strain name C57BL/6J-Foxp1<em1K muk>

Primer	primer_name	primer_seq	length	Reference
1	RARE1_F	CAAGAGTGGCAGCAACTAGGA	21	Depositor's primer
2	wt	GGTTTGTCTTCAGCTGAACTTTC	24	RIKEN BRC
3	mt	GGCGAGTTCGGAAGGTGAAAAC	22	RIKEN BRC
4	RARE1_R	CCCCCGGGTGTTTTCTTAAGA	21	Depositor's primer

Reaction Components

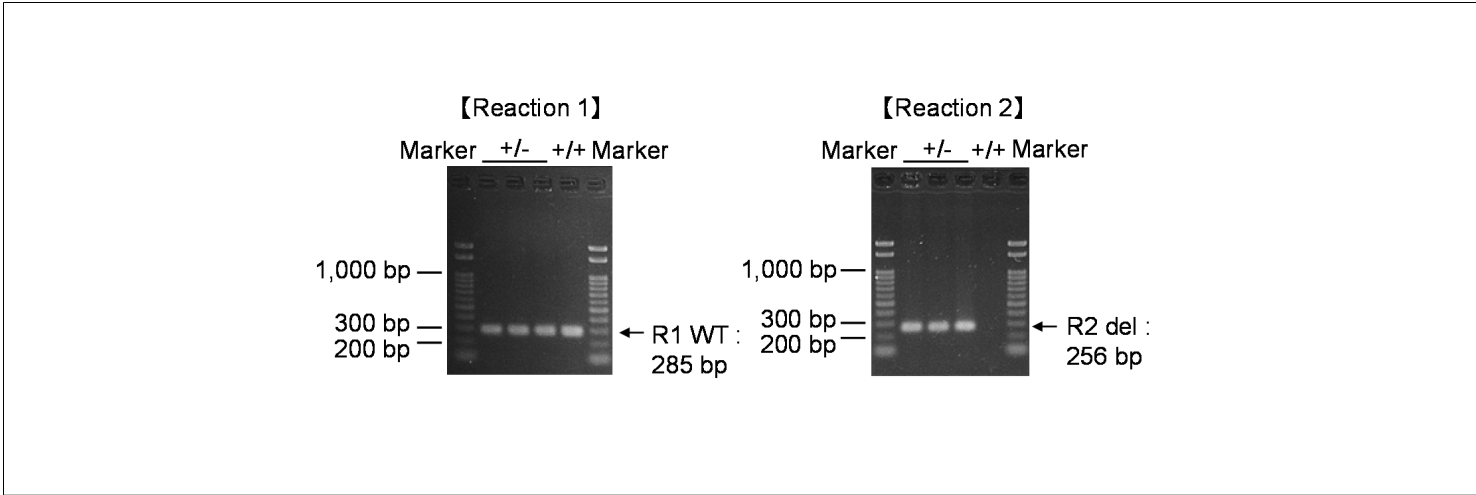
Enzyme

Reaction Conditions

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

Reagent	Conc	Reaction 1	2	3	4	(μL)
H2O		2.0	2.0			
primer 1	10 pmol/μl	1.0	0			
primer 2	10 pmol/μl	1.0	0			
primer 3	10 pmol/μl	0	1.0			
primer 4	10 pmol/μl	0	1.0			
DNA		1.0	1.0			
Master Mix	2 X	5.0	5.0			
total		10	10			

Marker
Gel



primer_set	product_size	product (allele type)
primer 1	285 bp	WT
primer 3	256 bp	del

Comment [Allele specific PCR \(ASP\)](#)