PCR protocol

Sheet ID PS_06827
Release date : 9/15/2016
Print date : 9/15/2016

RBRC 09596 **Strain name** B6.BD-Keap1<em1(C151S)Mym>

Primer	primer_name	primer_seq	length		
1	WT_Fw	CATCTCCGTGGGCGAGAAGCGT	22		RIKEN BRC
2	mt_Fw	CATCTCCGTGGGCGAGAAGCCG	22		RIKEN BRC
3	intR	CAGTTTTCCTCCAGCCTGTC	20		Depositor's primer

Reaction Components

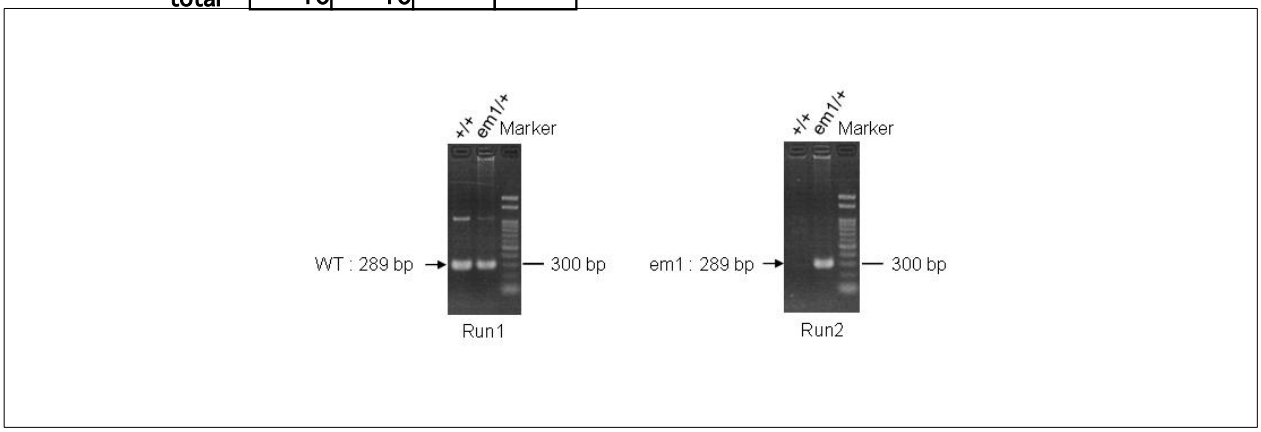
Enzyme QIAGEN Multiplex PCR Kit (Cat. No. 206143)

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		2.0	2.0		
Master Mix	2 X	5.0	5.0		
primer 1	10 pmol/μl	1.0	0		
primer 2	10 pmol/μl	0	1.0		
primer 3	10 pmol/μl	1.0	1.0		
DNA		1.0	1.0		
	total	10	10		

Reaction Conditions

step	temp (℃)	time (sec)	note
1	95	900	
2	94	30	*
3	60	90	*
4	72	60	* *Repeat for 30 cycles
5	72	600	

Allele specific PCR (ASP)



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 3	289 bp	WT
primer 2	primer 3	289 bp	em1

Comment