PCR protocol

Sheet ID PS_01385
Release date : 2/9/2016
Print date : 2/9/2016

RBRC 02267 Strain name B6.Cg-Tg(HRAS)2Mok

Primer	primer_name	primer_seq	length		
1	RasH2A	TCAGCAGCCTCCCTTGTGCC	20		Depositor's primer
2	RasH2D	GAAAACCAAGATCAAGACCA	20		Depositor's primer
3	oIMR0015	CAAATGTTGCTTGTCTGGTG	20	Internal control (Tcrd)	JAX Genotyping Protocol
4	oIMR0016	GTCAGTCGAGTGCACAGTTT	20	Internal control (Tcrd)	JAX Genotyping Protocol

Reaction Components

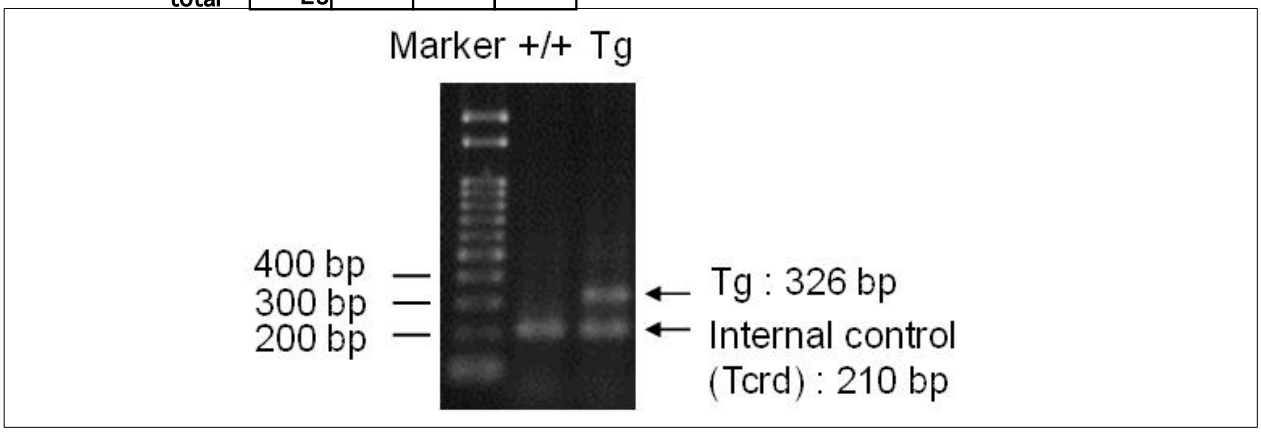
Enzyme: TaKaRa Ex Taq (Cat. No. RR001A)

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		15.3			
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			
primer 4	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	62	30	*
4	72	60	* *Repeat for 30 cycles
5	72	300	

Standard PCR



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 1	primer 2	326 bp	Tg
primer 3	primer 4	210 bp	Internal control (Tcrd)

Comment