PCR protocol

Sheet ID PS_07595
Release date : 9/25/2018
Print date : 9/25/2018

RBRC 10209 **Strain name** B6.129-Src<tm2(S75A)Goka>

Primer	primer_name	primer_seq	length		
1	common	GCAGCTAGTCCGTGGCGGTCC	21		RIKEN BRC
2	WT	CAACTCCTCGGACACCGTCACATC	24		RIKEN BRC
3	MT2	CAACTCCTCGGACACCGTCACAGC	24		RIKEN BRC

Reaction Components

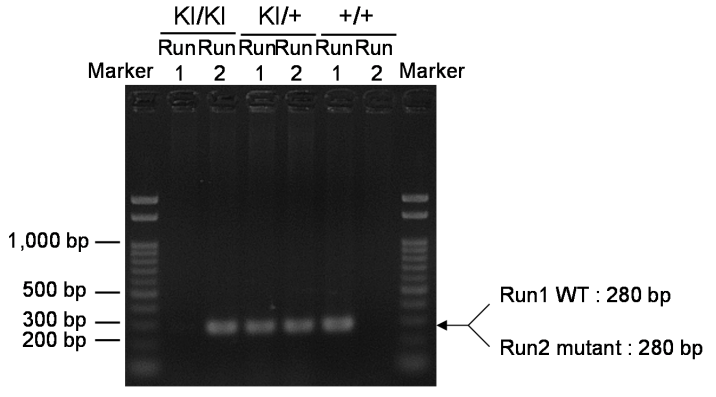
Enzyme QIAGEN Multiplex PCR Kit (Cat. No. 206143)

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

Reaction Conditions

step	temp (℃)	time (sec)		note
1	95	900		
2	94	30	*	
3	65	90	*	
4	72	60	*	*Repeat for 30 cycles

Separated PCR



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 2	280 bp	WT
primer 1	primer 3	280 bp	mutant

Comment