



# PCR protocol

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RBRC 10208

Strain name B6.129-Src<tm1(S75D)Goka>

Primer	primer_name	primer_seq	length	
1	common	GCAGCTAGTCCGTGGCGGTCC	21	RIKEN BRC
2	WT	CAACTCCTCGGACACCGTCACATC	24	RIKEN BRC
3	MT1	CAACTCCTCGGACACCGTCACAGA	24	RIKEN BRC

## Reaction Components

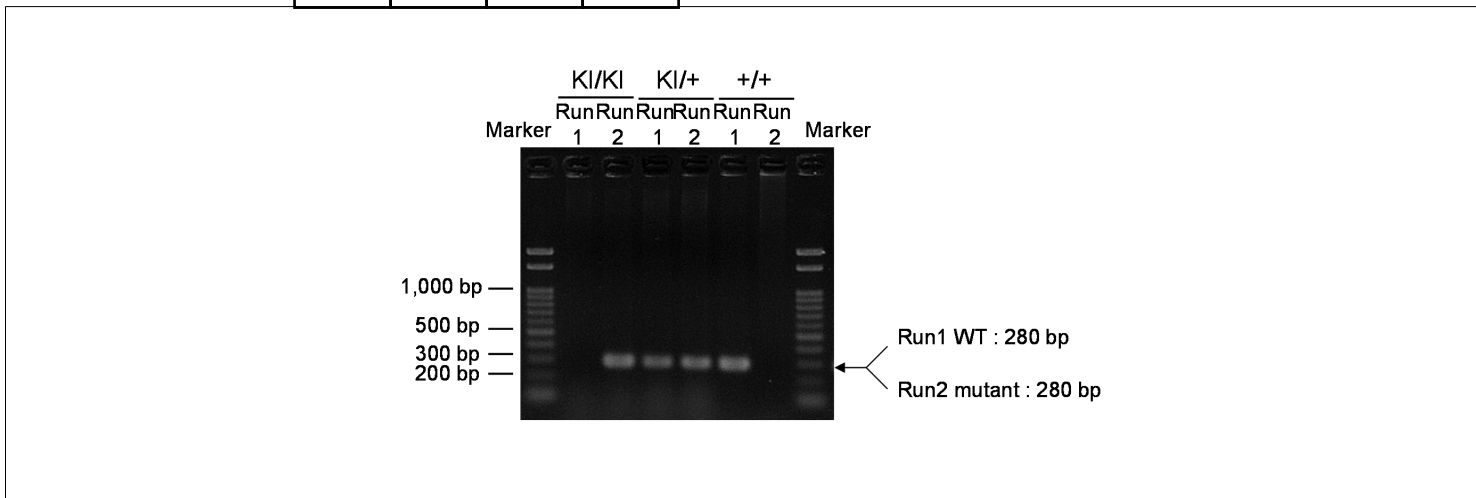
Enzyme QIAGEN Multiplex PCR Kit (Cat. No. 206143)

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		2.0	2.0		
primer 1	10 pmol/ $\mu$ l	1.0	1.0		
primer 2	10 pmol/ $\mu$ l	1.0	0		
primer 3	10 pmol/ $\mu$ l	0	1.0		
DNA		1.0	1.0		
Master Mix	2 X	5.0	5.0		
<b>total</b>		10	10		

## Reaction Conditions

step	temp (°C)	time (sec)	note
1	95	900	
2	94	30*	
3	63	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	280 bp	WT
primer 1	280 bp	mutant

## Comment

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