

PCR protocol

RBRC 02651

 Strain name B6.Cg-Ptprh<tm1.1>

Primer	primer_name	primer_seq	length
1		CTGGACATGGTGGCATAACC	19
2		CCATGCAGCTAGTAACATGG	20
3		ACGGTATCGATAAGCTTGGC	20

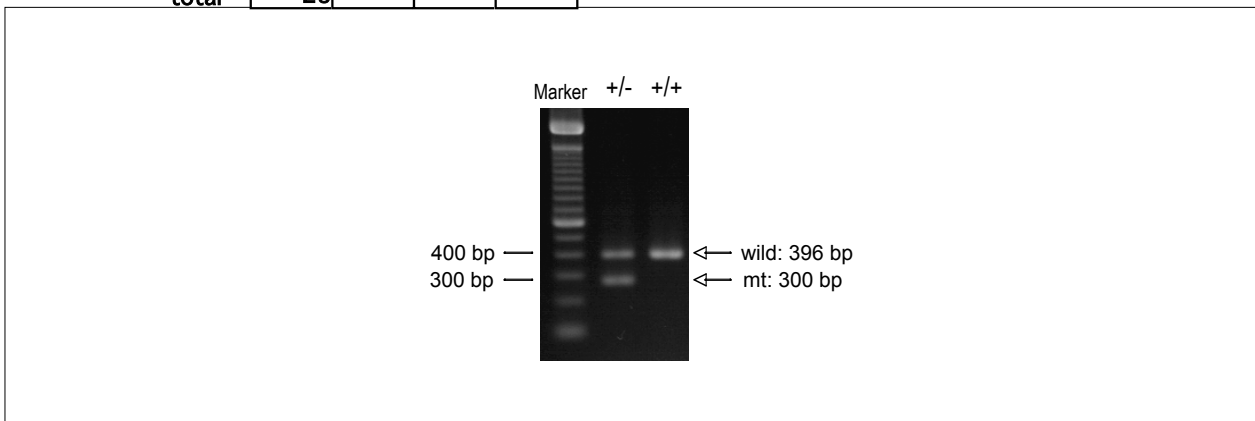
Reaction Components

 Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		16.3			
PCR buffer	10 X	2.5			
dNTP	2.5 mM	2.0			
primer 1	10 pmol/ μ l	1.0			
primer 2	10 pmol/ μ l	1.0			
primer 3	10 pmol/ μ l	1.0			
DNA		1.0			
Taq		0.2			
total		25			

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	60	30*	
4	72	60*	*Repeat for 30 cycles
5	72	300	



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	396 bp	wild
primer 2 primer 3	300 bp	mutant

Comment