

PCR protocol

RBRC 03519

Strain name Cthrc1(lacZ) (Acc.No. CDB0502K)

Primer	primer_name	primer_seq	length	
1	Cthrc1 GT-F	CCAGGCCTATAACAGTATGCAAGC	24	Depositor's primer
2	Cthrc1 GT-R-WT	CGACTCTCAGACTTACCAGGTCTAC	25	Depositor's primer
3	Cthrc1 GT-R-M	TTGAGGGGACGACGACAGTATC	22	Depositor's primer

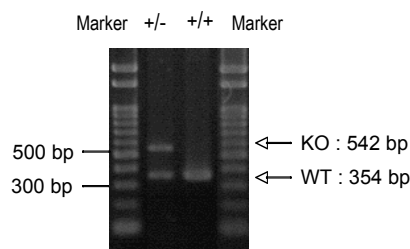
Reaction Components

Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		12.3			
PCR buffer	10 X	2.0			
dNTP	2.5 mM	1.6			
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	5U/ μ l	0.1			
total		20			

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

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	354 bp	WT
primer 1	primer 3	542 bp	KO

Comment