

RBRC 05323

Strain name 129-Sirt1<tm1Mcb>

Primer	primer_name	primer_seq	length	Reference
1	Sir2_genofwd	TTCACATTGCATGTGTGTGG	20	Depositor's primer
2		TAGCCTGCGTAGTGTGGTG	20	Depositor's primer
3		ATTTGGTAGGGACCCAAAGG	20	Depositor's primer

Reaction Components

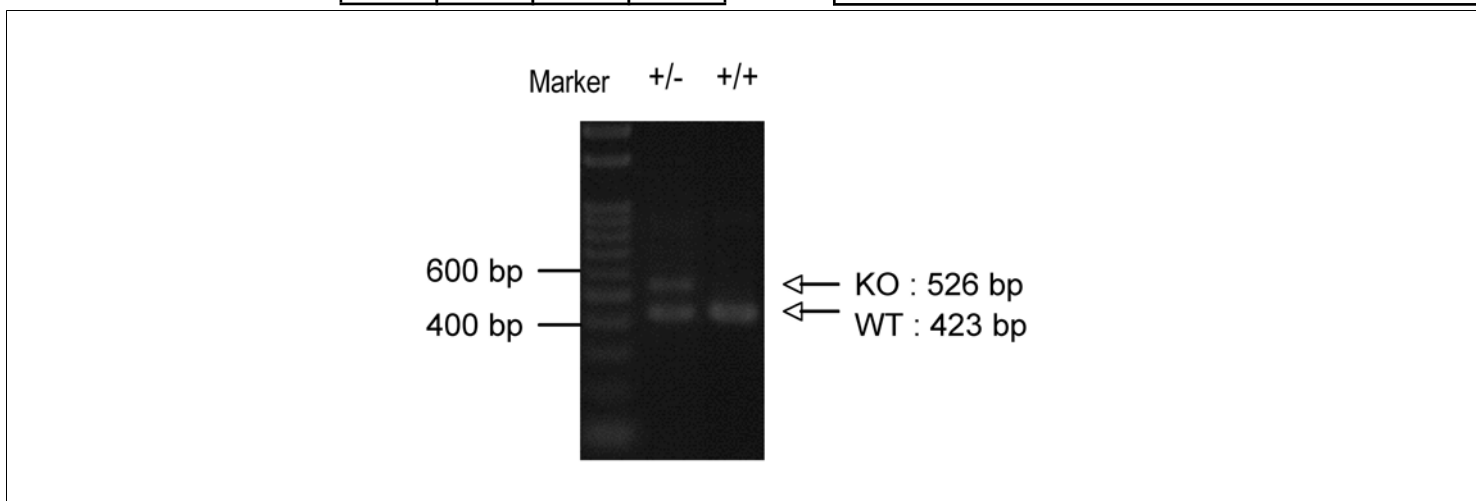
Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	63	30*	
4	72	60*	*Repeat for 30 cycles
5	72	300	

Reagent	Conc	Reaction 1	2	3	4	(μL)
H2O		12.3				
PCR buffer	10 X	2.0				
dNTP	2.5 mM	1.6				
primer 1	10 pmol/μl	1.0				
primer 2	10 pmol/μl	1.0				
primer 3	10 pmol/μl	1.0				
DNA		1.0				
Taq		0.1				
total		20				

Marker Gene Ladder 100 (Wako, Cat. 316-06951)
Gel 2% agarose in 1 X TAE (100 V, 30 min)



primer_set	product_size	product (allele type)
primer 1 primer 2	423 bp	WT
primer 1 primer 3	526 bp	KO

Comment Standard PCR