RIKEN BRC

BRC_No 00688 **Strain name** mouse saposin A mutant mouse

Primer

	primer_name	primer_seq	length	
1	SapA sense 5'	GTCTGGCTTTCCAGGTCATACATA	24	
2	SapA antisense 3'	CACATGTAGGCAGAACACTCGTACAC	26	

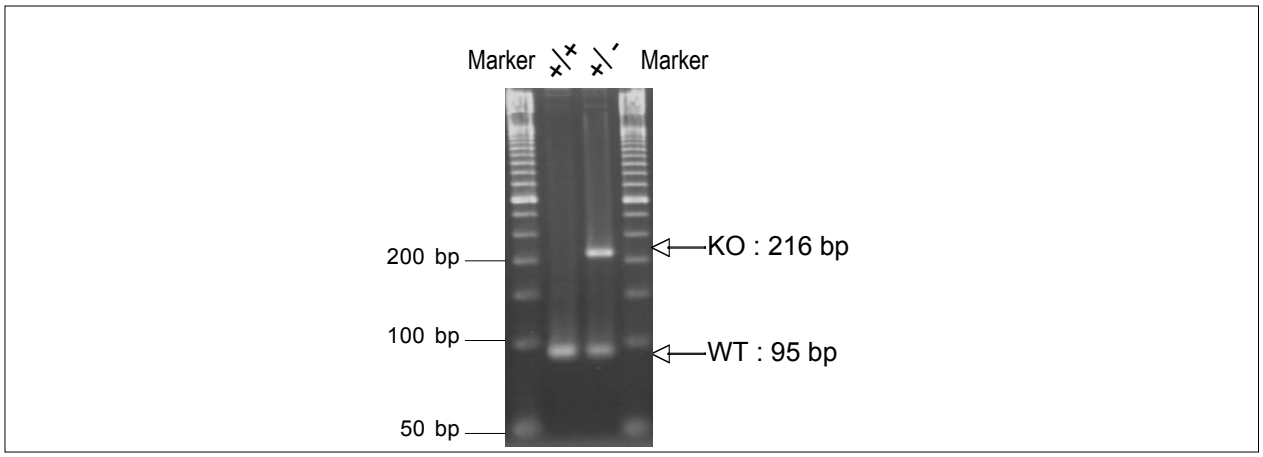
Reaction Components

Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

	Conc	Run 1	Run 2	Run 3
H2O		17.3		
PCR buffer	10 X	2.5		
dNTP	2.5 mM	2.0		
primer 1	10 pmol/μl	1.0		
primer 2	10 pmol/μl	1.0		
DNA		1.0		
Taq		0.2		
	total	25		

Reaction Conditions

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



Marker

50 bp ladder (Invitrogen, Cat. 10416-014)

Gel

4% Nusieve in 0.5 X TBE (100 V, 60 min)

PCR products

primer_set		product_size	product
primer 1	primer 2	95 bp	wild
primer 1	primer 2	216 bp	KO

Comment