

RBRC 05552 Strain name 129S6.129S(Cg)-Grm6<tm1Nak>

Primer	primer_name	primer_seq	length	
1	F	AGCGCAGGAACCCCGATGATGTTCA	25	Depositor's primer
2	R1	GTGAGCAGGGCAGAGTAGTTGAGCG	25	Depositor's primer
3	R2	ATGGGTCACGACGAGATCCTCGCC	24	Depositor's primer

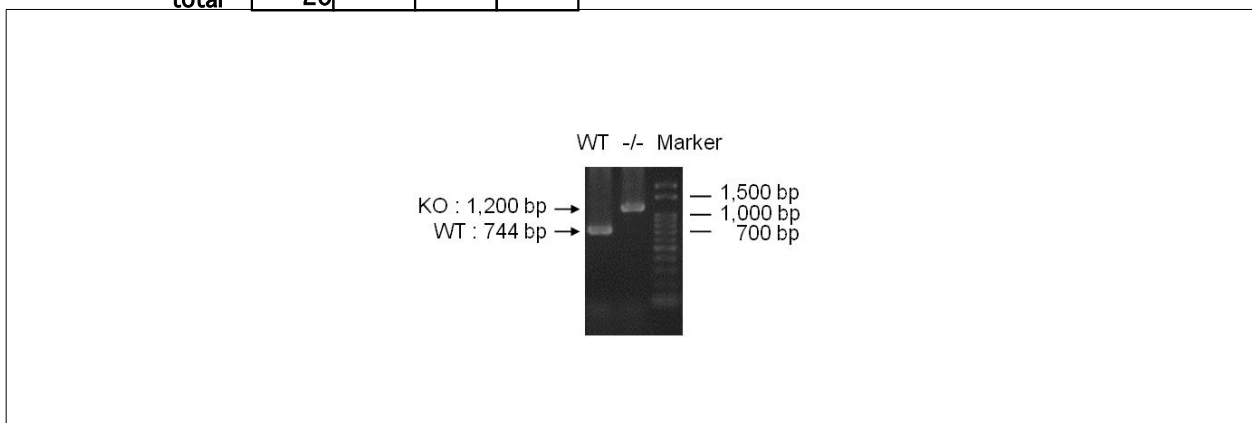
Reaction Components

Enzyme TaKaRa LA Taq with GC buffer (Cat. No. RR02AG)

Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	60	30*	
4	72	90*	*Repeat for 30 cycles
5	72	300	

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		3.9			
PCR buffer	2 X GC I	10.0			
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	5 U/ μ l	0.1			
total		20			



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	744 bp	WT
primer 1 primer 3	1200 bp	KO

Comment