

RBRC 06500

Strain name SJL.Cg-Aqp4<tm1.1(GFP)Mysi>/MysiRbrc

Primer	primer_name	primer_seq	length	
1	E1-C-AS	CCAACCACACTGGGAGGTGTGACC	24	Mol. Cell. Neurosci., 56, 65-75 (2013).
2	E1-WT-S	CTTTCAAAGGAGTCTGGACTCAGGC	25	Mol. Cell. Neurosci., 56, 65-75 (2013).
3	EGFP-C	CATGGTCCTGCTGGAGTTCGTG	22	Sci. Rep., 3, 2436, (2013).

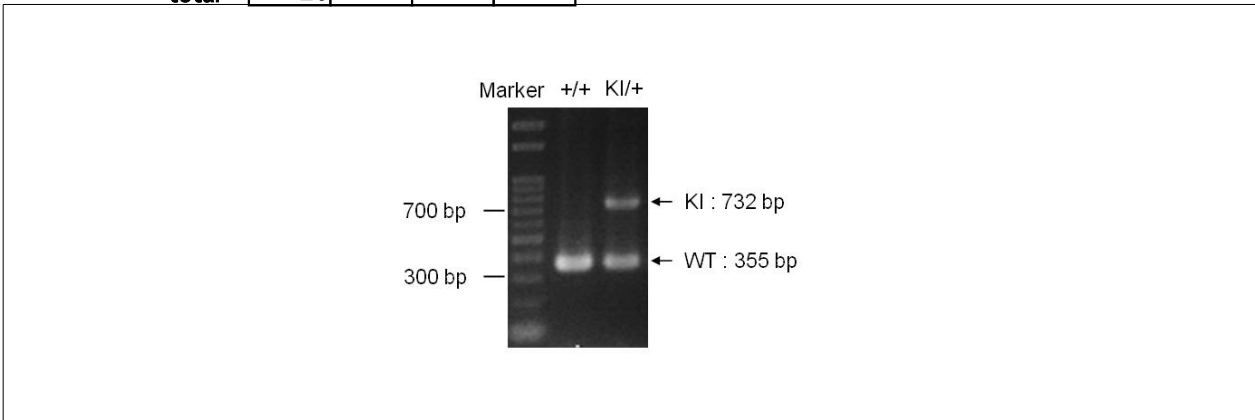
Reaction Components

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

Reaction Conditions

	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	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	355 bp	WT
primer 1	primer 3	732 bp	KI

Comment