

RBRC 01814

Strain name GluRε2 KO mouse

Primer	primer_name	primer_seq	length	
1	E2P1	AGAGTCGACGAGCTGAAGATGAAGCCCAGC	30	Depositor's primer
2	Neo-P1	GCCTGCTTGCCGAATATCATGGTGGAAAAT	30	Depositor's primer
3	E2P2	CGGGGAACTACTGAGAGATGATGGAAGTCA	30	Depositor's primer

Reaction Components

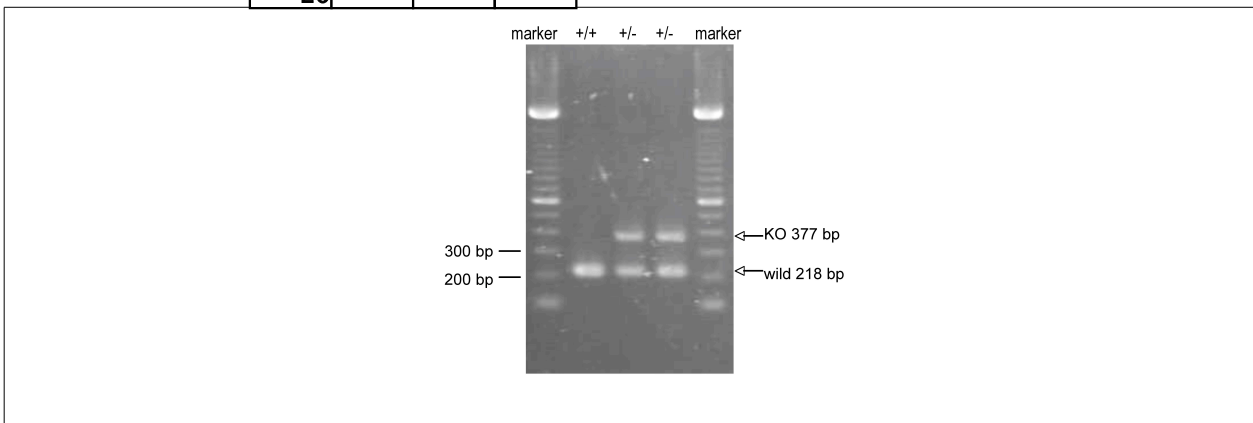
Enzyme TaKaRa LA Taq with GC buffer (Cat. No. RR02AG)

Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	65	30*	
4	72	60*	*Repeat for 30 cycles
5	72	300	

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		3.8			
PCR buffer	2 X GC I	10.0			
dNTP	2.5 mM	2.0			
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		0.2			
total		20			

Standard PCR



Marker

100 bp ladder (Invitrogen, Cat. 15628-050)

Gel

2% agarose in 1 X TAE (100 V, 30 min)

PCR products	primer_set	product_size	product
primer 2	primer 3	377 bp	KO
primer 1	primer 3	218 bp	WT

Comment