PCR protocol

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RBRC 02740 **Strain name** B6.129P2-Klk8<tm1Shio>

Primer	primer_name	primer_seq	length		
1	Neo	GGCTTCTGAGGCGGAAAGAA	20		Mol. Cell Neurosci., 17, 600-610 (2001).
2	w.t.2(anti-sense NP)	GCACCGTGACCTCTTCAAA	19		Mol. Cell Neurosci., 17, 600-610 (2001).
3	Int3-AS3 (sense NP)	GCCTTTCCTGACCACTCTAA	20		Mol. Cell Neurosci., 17, 600-610 (2001).

Reaction Components

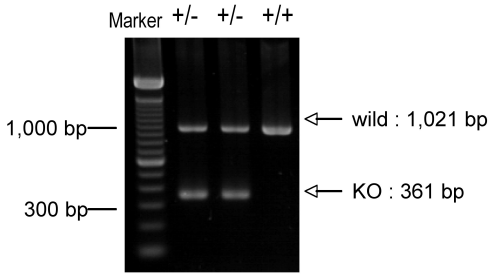
Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		16.3			
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			
primer 3	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	

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 1	primer 3	361 bp	KO
primer 2	primer 3	1,021 bp	WT

Comment