PCR protocol

Sheet ID PS_04890
Release date : 02/18/2013
Print date : 2/18/2013

RBRC 02599 Strain name IVCS.129P2(B6)-Akr1c18<tm1Mni>

Primer	primer_name	primer_seq	length		
1	Primer #1 P1	ATGCAGTCATGGTCTCTCACTAGG	24		Depositor's primer
2	Primer #2 P2	CAGGATCATCTCCAGTTGTCTACG	24		Depositor's primer
3	Primer #3 P3	ATCTGCACGAGATCAGTGAGACGT	24		Depositor's primer

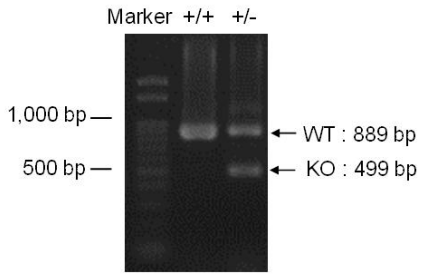
Reaction Components

Enzyme: TOYOBO KOD FX (Code.No : KFX-101)

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		0.6			
PCR buffer	2 X	10.0			
dNTP	2.0 mM	4.0			
primer 1	10 pmol/μl	2.0			
primer 2	10 pmol/μl	1.0			
primer 3	10 pmol/μl	1.0			
DNA		1.0			
Taq	1 U/μl	0.4			
	total	20			

Reaction Conditions

step	temp (℃)	time (sec)	note
1	94	120	
2	98	10	*
3	60	30	*
4	68	60	* *Repeat for 30 cycles



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	889 bp	WT
primer 1	primer 3	499 bp	KO

Comment