PCR protocol

Sheet ID PS_06999
Release date : 5/31/2017
Print date : 5/31/2017

RBRC 04738 Strain name B6.Cg-Tg(Lck-cre)1Jtak

Primer	primer_name	primer_seq	length		
1	a	CCTTGGTGGAGGAGGGTGGAATGAA	25		Depositor's primer
2	b	AATGTTGCTGGATAGTTTTTACTGC	25		Depositor's primer
3	c	TAGAGCCCTGTTCTGGAAGTTACAA	25		Depositor's primer

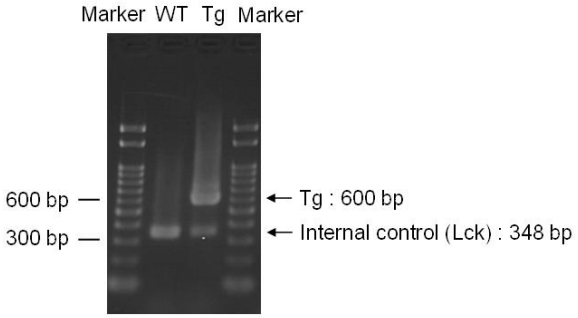
Reaction Components

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

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		1.8			
PCR buffer	2 X	10.0			
dNTP	2.0 mM	4.0			
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	1 U/μl	0.2			
	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	600 bp	Tg
primer 1	primer 3	348 bp	Internal control (Lck)

Comment

Novagen KOD Xtreme™ Hot Start DNA Polymerase can be purchased from EMD.

PCR protocol

Sheet ID PS_03845
Release date : 07/05/2011
Print date : 5/31/2017

RBRC 04738 Strain name B6.Cg-Tg(Lck-cre)1Jtak

Primer	primer_name	primer_seq	length		
1	a	CCTTGGTGGAGGAGGGTGGAATGAA	25		Depositor's primer
2	b	AATGTTGCTGGATAGTTTTTACTGC	25		Depositor's primer
3	c	TAGAGCCCTGTTCTGGAAGTTACAA	25		Depositor's primer

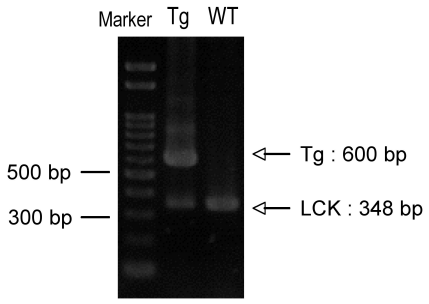
Reaction Components

Enzyme: TaKaRa Ex Taq (Cat. No. RR001A)

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		12.3			
PCR buffer	10 X	2.0			
dNTP	2.5 mM	1.6			
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	5U/μl	0.1			
	total	20			

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	



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	ca 600 bp	Tg
primer 1	primer 3	348 bp	Internal control (Lck)

Comment