

PCR protocol

Sheet ID PS_05990
Release date : 12/11/2014
Print date : 12/11/2014

RBRC 02308

Strain name C57BL/6-Cxcl14<tm1>

Primer	primer_name	primer_seq	length		
1	S3	ATGAGGCTCCTGGCGGCC	18		
2	ex2_rv	CACGTCGCTGTAGCGGATCTTG	22		RIKEN BRC

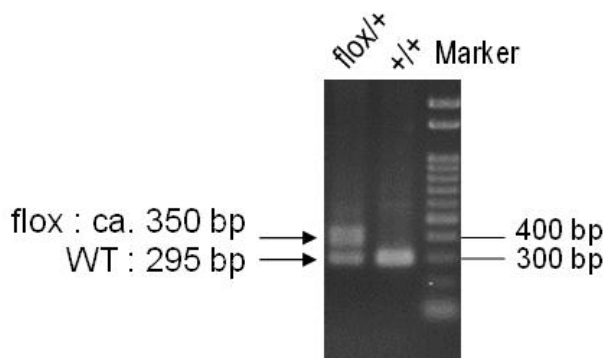
Reaction Components

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

Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		2.8			
PCR buffer	2 X	10.0			
dNTP	2.0 mM	4.0			
primer 1	10 pmol/ μ l	1.0			
primer 2	10 pmol/ μ l	1.0			
DNA		1.0			
Taq	1 U/ μ l	0.2			
total		20			

step	temp (°C)	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	295 bp	WT
primer 1	primer 2	ca. 350 bp	flox

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

PCR protocol

Sheet ID PS_01389
Release date : 3/1/2008
Print date : 12/11/2014

RBRC 02308

Strain name C57BL/6-Cxcl14<tm1>

Primer	primer_name	primer_seq	length	
1	Exon_2 F	GGTCCAAGTGTAAGTGTTCC	20	RIKEN BRC
2		GTGAAGCTCATGACTCGGGTC	21	RIKEN BRC
3	Neo	GCAATCCATCTTGTTCAATGGCC	23	Depositor's primer

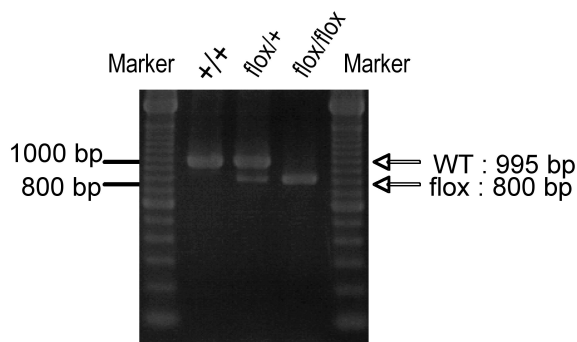
Reaction Components

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

Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		3.8			
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		0.2			
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

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 2	995 bp	WT
primer 1	primer 3	800 bp	flox

Comment