PCR protocol

Sheet ID PS_06515
Release date : 5/24/2018
Print date : 5/24/2018

RBRC 09317 **Strain name** B6CBA-B4galt1<tm1>Kfk

Primer	primer_name	primer_seq	length		
1	PES-6L	GAAGAATTCAAGACTGTCTGTGAAATTCTG	30		Depositor's primer
2	AK5-3L	TCTCCCGTGAGAGTCACTCCTGTTACTTCC	30		Depositor's primer

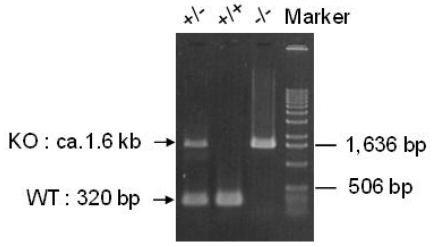
Reaction Components

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

	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/μl	1.0			
primer 2	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	180	* *Repeat for 30 cycles



Marker

1 kb DNA ladder (Invitrogen, Cat. 15615-024)

Gel

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

PCR products	primer_set	product_size	product
primer 1	primer 2	320 bp	WT
primer 1	primer 2	ca 1.6 kb	KO

Comment

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