

RBRC 09682

Strain name C57BL/6-A930003A15Rik<tm1Tfur>

Primer	primer_name	primer_seq	length	
1	exon2_F	CTGTGTGGGAATGTGGAGAGAG	22	RIKEN BRC
2	intron2_F	GCAATCAGGCACCTACACAGCC	22	RIKEN BRC
3	NEO2-51	GGCTATTCGGCTATGACTGGG	21	Depositor's primer

Reaction Components

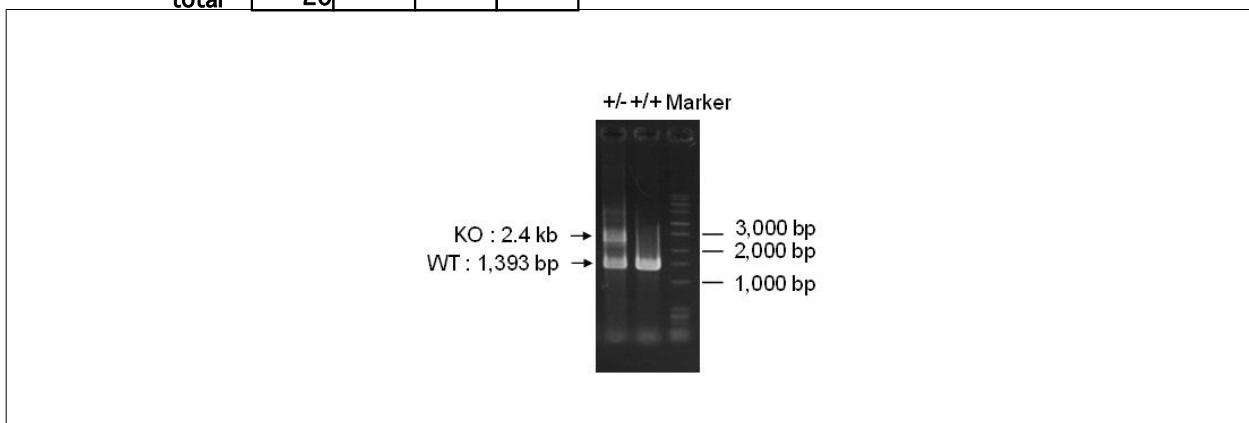
Enzyme TOYOBO KOD FX (Code.No : KFX-101)

Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	120	
2	98	10*	
3	60	30*	
4	68	240*	*Repeat for 30 cycles

	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			

Standard PCR



Marker

DNA Ladder, 1 kb Plus (Affymetrix, Cat. 76714 500 UL)

Gel

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

PCR products

	primer_set	product_size	product
primer 1	primer 2	1,393 bp	WT
primer 2	primer 3	2.4 kb	KO

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