

RBRC 05950

Strain name B6.Cg-Lrrc32<tm1Hfuj>

Primer	primer_name	primer_seq	length	
1	GARP3(26452)	GTCCCTCTGTACCTGAGCAC	21	Depositor's primer
2	GARP4(26453)	CACTCTGCCTGCACTGTGTC	20	Depositor's primer
3	Rv	CTAGAGCAGCGTTTCTCAGC	20	RIKEN BRC

Reaction Components

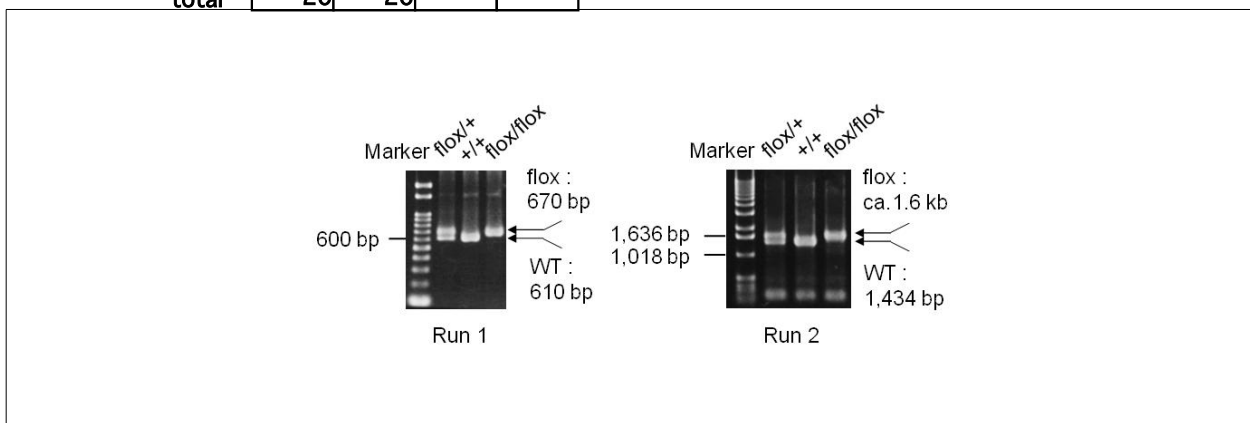
Enzyme TOYOBO KOD FX (Code.No : KFX-101)

Reaction Conditions

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

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		2.8	2.8		
PCR buffer	2 X	10.0	10.0		
dNTP	2 mM	4.0	4.0		
primer 1	10 pmol/μl	1.0	1.0		
primer 2	10 pmol/μl	1.0	0		
primer 3	10 pmol/μl	0	1.0		
DNA		1.0	1.0		
Taq	1 U/μl	0.2	0.2		
total		20	20		

Standard PCR



Marker
marker Run1: Gene Ladder 100 (Wako, Cat. 316-06951), marker
Gel
Run1: 2% agarose in 1 X TAE (100 V, 30 min) Run2: 1% agarose in 1 X

PCR products			
	primer_set	product_size	product
primer 1	primer 2	610 bp	WT
primer 1	primer 2	670 bp	flox
primer 1	primer 3	1,434 bp	WT
primer 1	primer 3	ca 1.6 kb	flox
primer 1	primer 3		null

Comment