

RBRC 04894

Strain name C57BL/6-Cdc42ep4<tm1Ksh>

Primer	primer_name	primer_seq	length	
1	int1_Fw	GAAATGACGAAGTTAGGAATTCCTG	27	RIKEN BRC
2	ex2_Rv	CGAGGCTCTTAGCTGCACCTAC	22	RIKEN BRC

Reaction Components

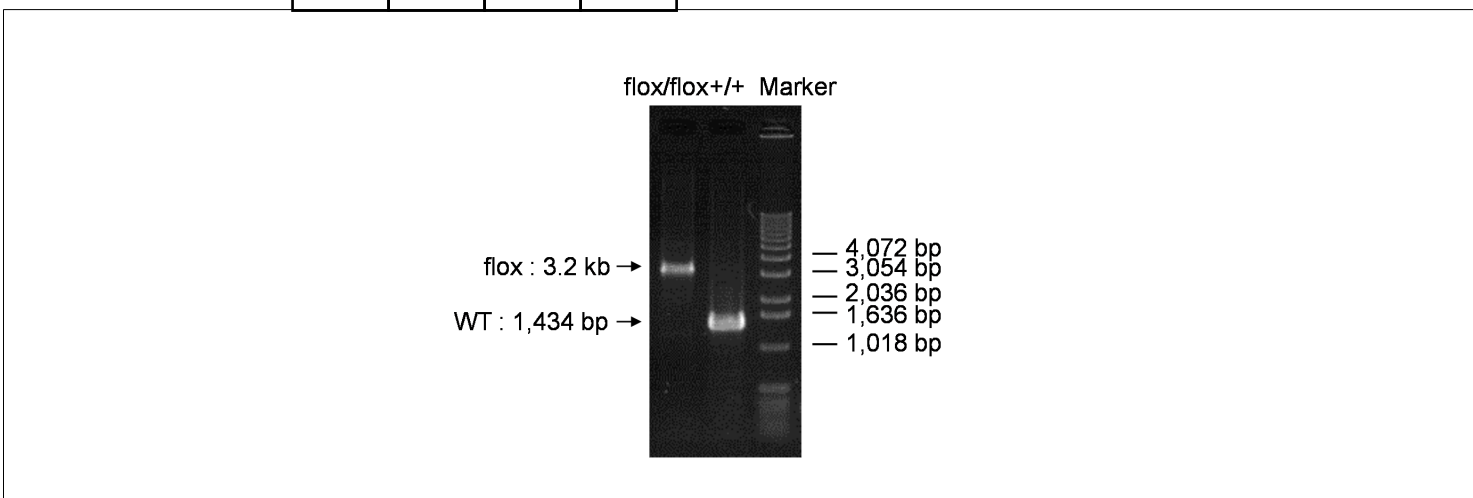
Enzyme TOYOBO KOD FX (Code.No : KFX-101)

Reaction Conditions

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

	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			

Standard PCR



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	1,434 bp	WT
primer 1 primer 2	3.2 kb	flox
primer 1 primer 2	333 bp	null (After cre mediated excision)

Comment

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