

RBRC 09308

Strain name B6.129-Capn2<tm2.1Tcs>

Primer	primer_name	primer_seq	length	Depositor's primer
1		ATAGCTCCTGTGTATCAGGCACAGAGCTGG	30	Depositor's primer
2	ex4_R	CACTCGCCATATTGCCAGAACTG	23	RIKEN BRC

Reaction Components

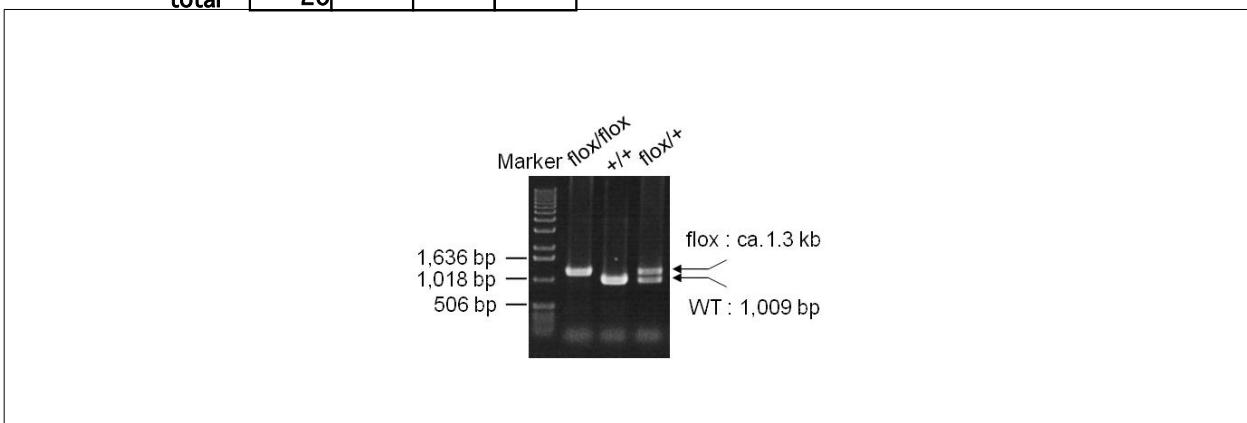
Enzyme TOYOBO KOD FX (Code.No : KFX-101)

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			
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	1,009 bp	WT
	primer 1	primer 2	ca 1.3 kb	flox

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