

RBRC 06348

Strain name C57BL/6N-Cck<tm2b(EUCOMM)Hmgu>/B06

Primer	primer_name	primer_seq	length	
1		CCACATCTGAGGACTGGGCACAG	23	RIKEN BRC
2		GAACCAAGTCATAGGGTGAGGTAAGG	26	RIKEN BRC
3		GGCACATGGCTGAATATCGACGG	23	RIKEN BRC

Reaction Components

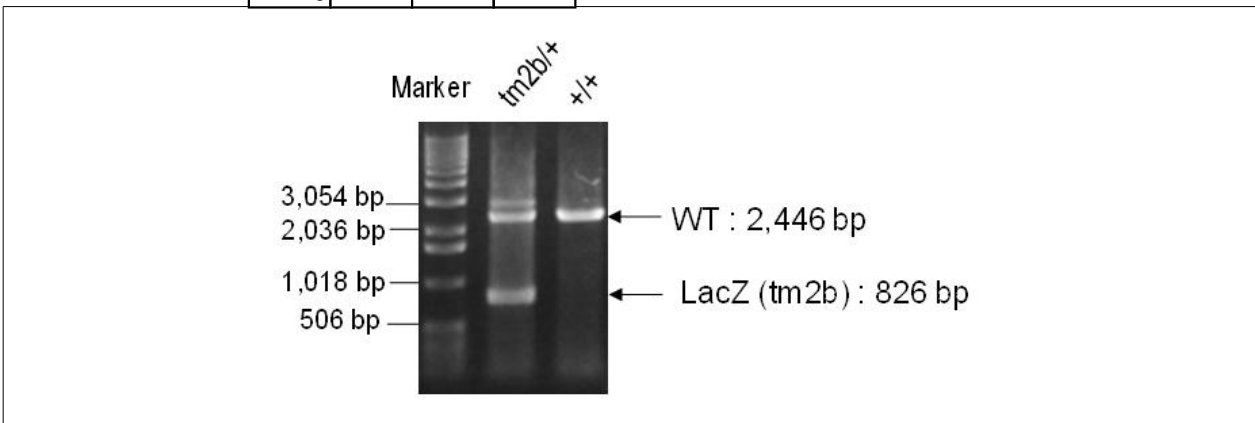
Enzyme TOYOBO KOD FX (Code.No : KFX-101)

Reaction Conditions

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

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		1.6			
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	0.4			
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	2,446 bp	WT
primer 2	primer 3	826 bp	lacZ(tm2b)

Comment

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