

RBRC 05938

Strain name C57BL/6-Tg(Aicda\*dME-cre,-CD2)1Hon

Primer	primer_name	primer_seq	length	
1	AID-creWA	GTCGACTAATTACCTAGTTTGACTGTTGCAGCG	33	Depositor's primer
2	Cre 3	GCTAACCAGCGTTTTTCGTTCTGC	23	Depositor's primer
3	mLC3ex4AG	GTTAGCATTGAGCTGCAAGCGCCGTCT	27	Mol. Biol. Cell., 15, 1101-1111(2004).
4	mLC3ex3GT	TGAGCGAGCTCATCAAGATAATCAGGT	27	Mol. Biol. Cell., 15, 1101-1111(2004).

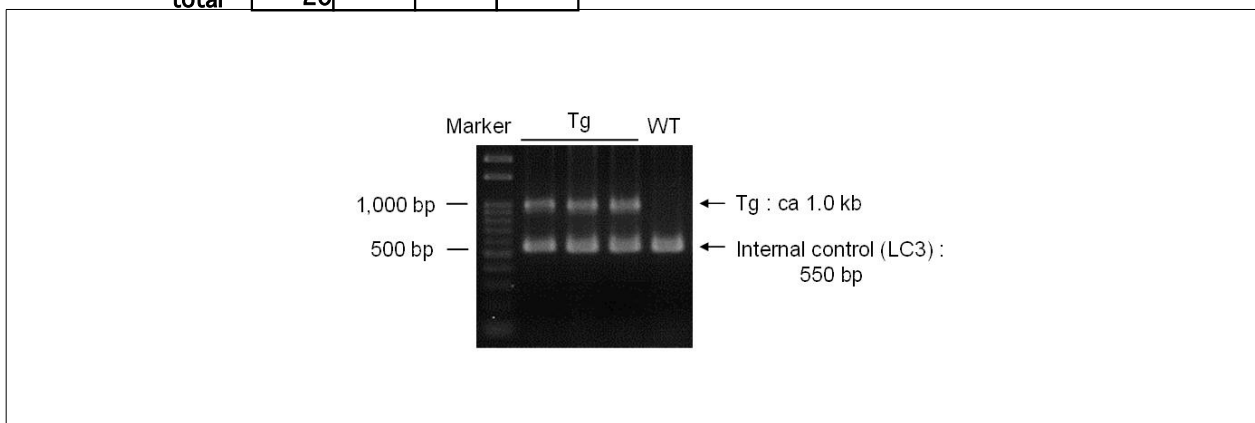
### Reaction Components

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

### Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		0.8			
PCR buffer	2 X	10.0			
dNTP	2.0 mM	4.0			
primer 1	10 pmol/ $\mu$ l	1.0			
primer 2	10 pmol/ $\mu$ l	1.0			
primer 3	10 pmol/ $\mu$ l	1.0			
primer 4	10 pmol/ $\mu$ l	1.0			
DNA		1.0			
Taq	1 U/ $\mu$ l	0.2			
total		20			

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



**Marker**  
Gene Ladder 100 (Wako, Cat. 316-06951)

**Gel**  
2% agarose in 1 X TAE (100 V, 30 min)

PCR products		product_size	product
primer_set			
primer 1	primer 2	ca 1.0 kb	Tg
primer 3	primer 4	550 bp	Internal control (LC3)

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