

RBRC 06186

Strain name FVB-Tg(H1-RNAi:EGFP/CAG-HcRed1)40sb

Primer	primer_name	primer_seq	length	
1	human H1	TGGTCTCATACAGAAGCTTATAATAAGATTCCC	32	FEBS Lett., 532: 227-230 (2002).
2	Tg. HcRed-R	CACCTTGTAGATCAGGCAGTTG	22	
3	mLC3ex3GT	TGAGCGAGCTCATCAAGATAATCAGGT	27	Mol. Biol. Cell., 15, 1101-1111(2004).
4	mLC3ex4AG	GTTAGCATTGAGCTGCAAGCGCCGTCT	27	Mol. Biol. Cell., 15, 1101-1111(2004).

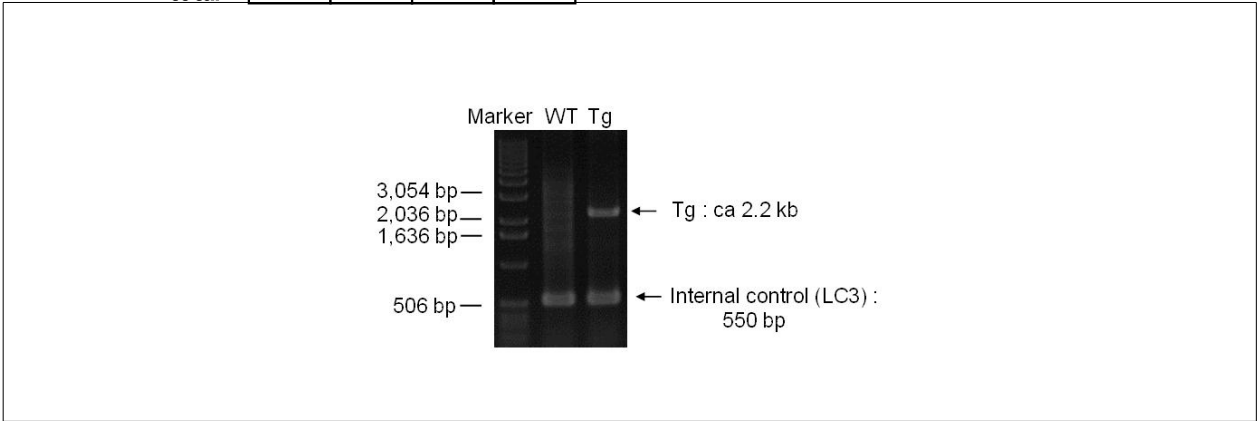
Reaction Components

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

Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	120	
2	98	10*	
3	57	30*	
4	68	180*	*Repeat for 30 cycles

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		0.6			
PCR buffer	2 X	10.0			
dNTP	2.0 mM	4.0			
primer 1	10 pmol/ μ l	1.5			
primer 2	10 pmol/ μ l	1.5			
primer 3	10 pmol/ μ l	0.5			
primer 4	10 pmol/ μ l	0.5			
DNA		1.0			
Taq	1 U/ μ l	0.4			
total		20			



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	ca 2.2 kb	Tg
primer 3 primer 4	550 bp	Internal control (LC3)

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