PCR protocol

Sheet ID PS_04285
Release date : 12.02.2011
Print date : 3/21/2013

RBRC 02212 **Strain name** B6.Cg-Tg(Isl1-EGFP)1Okn

Primer	primer_name	primer_seq	length		
1	ARC10-23	CCGCGGTGCATTTCCATAACTG	22		Depositor's primer
2		CTTGTACAGCTCGTCCATGCCGAG	24		RIKEN BRC
3	mLC3ex3GT	TGAGCGAGCTCATCAAGATAATCAGGT	27		Mol. Biol. Cell., 15, 1101-1111 (2004).
4	mLC3ex4AG	GTTAGCATTGAGCTGCAAGCGCCGTCT	27		Mol. Biol. Cell., 15, 1101-1111 (2004).

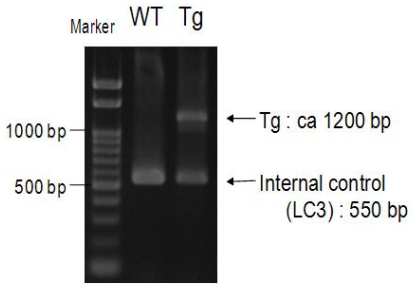
Reaction Components

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

	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/μl	1.0			
primer 2	10 pmol/μl	1.0			
primer 3	10 pmol/μl	1.0			
primer 4	10 pmol/μl	1.0			
DNA		1.0			
Taq	1 U/μl	0.2			
	total	20			

Reaction Conditions

step	temp (℃)	time (sec)	note
1	94	120	
2	68	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, 35 min)

PCR products

primer_set		product_size	product
primer 1	primer 2	ca 1200 bp	Tg
primer 3	primer 4	550 bp	Internal control (LC3)

Comment