

RBRC 01227

Strain name MSM.Cg-Tg(GFP/Lc3)53Nmi

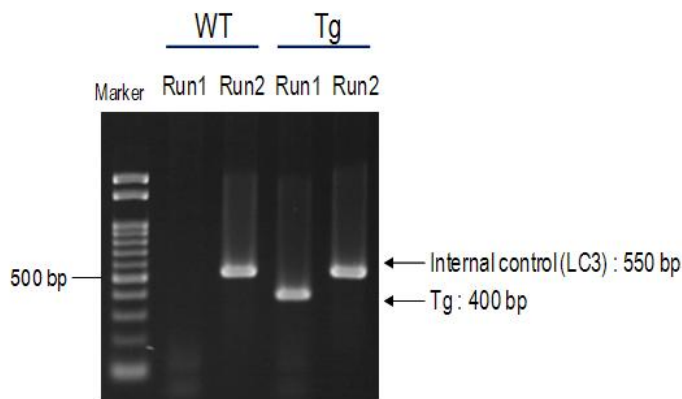
Primer	primer_name	primer_seq	length		
1	GFP(LC3)1	TCCTGCTGGAGTTCGTGACCG	21		Depositor's primer
2	LC3*rc3	TTGCGAATTCTCAGCCGTCTTCATCTCTCTCGC	33		Depositor's primer
3	mLC3ex3GT	TGAGCGAGCTCATCAAGATAATCAGGT	27	intron3 of the LC3 genome as an internal	Mol. Biol. Cell., 15, 1101-1111 (2004).
4	mLC3ex4AG	GTTAGCATTGAGCTGCAAGCGCCGTCT	27	intron3 of the LC3 genome as an internal	Mol. Biol. Cell., 15, 1101-1111 (2004).

Reaction Components

Enzyme	Roche Taq (Cat. No. BM1418432)
--------	--------------------------------

Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		17.3	17.3		
PCR buffer	10 X	2.5	2.5		
dNTP	2.5 mM	2.0	2.0		
primer 1	10 pmol/ μ l	1.0	0		
primer 2	10 pmol/ μ l	1.0	0		
primer 3	10 pmol/ μ l	0	1.0		
primer 4	10 pmol/ μ l	0	1.0		
DNA		1.0	1.0		
Taq		0.2	0.2		
	total	25	25		

[illegible]

Marker

marker 1:100 bp ladder (Invitrogen, Cat. 15628-050), marker2: ϕ X174 Hae III

Gel

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

PCR products

primer_set		product_size	product
primer 1	primer 2	400 bp	Tg
primer 3	primer 4	550 bp	Internal control (LC3)

Comment