

RBRC 06337

Strain name ICR.Cg-Tg(Olfr1 507-EYFP,Olfr1 508-ECFP)10Hsak

Primer	primer_name	primer_seq	length		
1	MOR28-f	GCCTTGAAGAAGTTAATCAGGAG	23		
2		CTTTGCTCAGGGCGGACTGGTA	22		RIKEN BRC
3		CATCTAGTGGAGATGCTGAAATAG	24		RIKEN BRC
4		CTTTGCTCAGGGCGGACTGGGT	22		RIKEN BRC
5	mLC3ex3GT	TGAGCGAGCTCATCAAGATAATCAGGT	27		Mol. Biol. Cell., 15, 1101-1111(2004).
6	mLC3ex4AG	GTTAGCATTGAGCTGCAAGCGCCGTCT	27		Mol. Biol. Cell., 15, 1101-1111(2004).

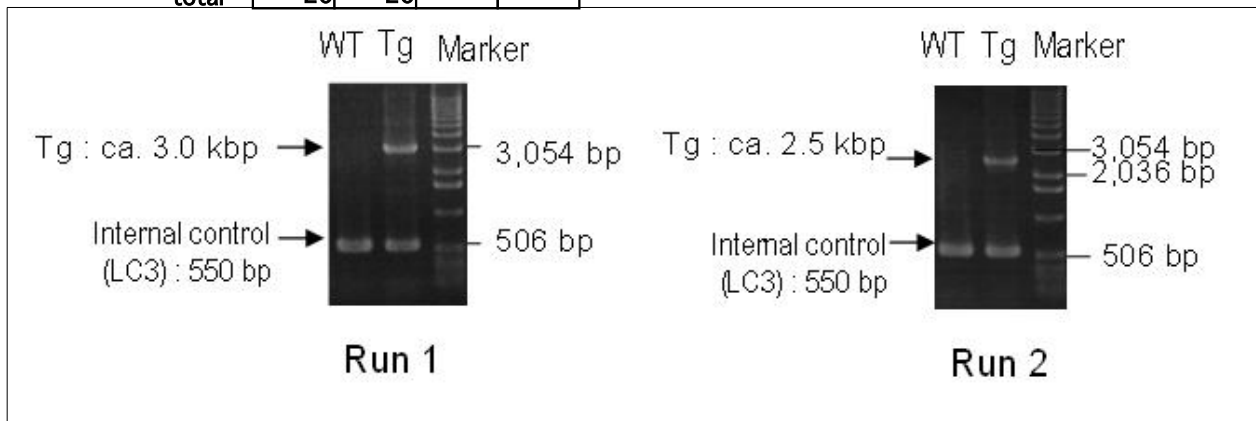
Reaction Components

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

step	temp (°C)	time (sec)	note
1	94	120	
2	98	10*	
3	60	30*	
4	68	240*	*Repeat for 30 cycles

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		0.8	0.8		
PCR buffer	2 X	10.0	10.0		
dNTP	2.0 mM	4.0	4.0		
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		
primer 5	10 pmol/ μ l	1.0	1.0		
primer 6	10 pmol/ μ l	1.0	1.0		
DNA		1.0	1.0		
Taq	1 U/ μ l	0.2	0.2		
total		20	20		



Marker	PCR products			
1 kb DNA ladder (Invitrogen, Cat. 15615-024)	primer_set	product_size	product	
Gel 1% agarose in 1 X TAE (100 V, 30 min)	primer 1	primer 2	ca. 3.0 kbp	Tg
	primer 3	primer 4	ca. 2.5 kbp	Tg
	primer 5	primer 6	550 bp	Internal control (LC3)

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