

PCR protocol

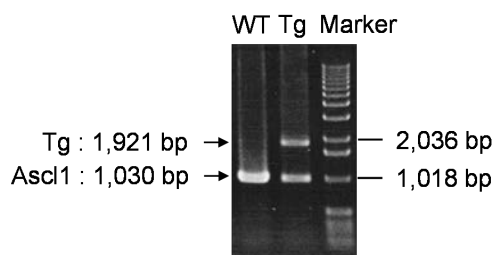
RBRC 06019

[illegible]

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

[illegible]

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

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

RBRC 06019

Strain name ICR-Tg(Ascl1-luc2/Ascl1)1Imayo

Primer	primer_name	primer_seq	length	Reference
1		CAACAAACCAGGCTGAATGGAGAG	24	RIKEN BRC
2	luc2-#2(401bp)-rv	CTGGTTGTTTCTGTCAGGCCGTAGC	25	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

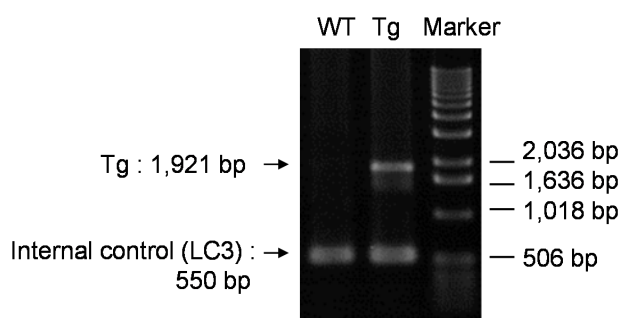
Enzyme	TOYOBO KOD FX (Code.No : KFX-101)
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Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	120	
2	98	10*	
3	60	30*	
4	68	180*	*Repeat for 30 cycles

Reagent	Conc	Reaction 1	2	3	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			

Marker	1 kb DNA ladder (Invitrogen, Cat. 15615-024)
Gel	1% agarose in 1 X TAE (100 V, 30 min)



primer_set	product_size	product (allele type)
primer 1	primer 2	1,921 bp
primer 3	primer 4	550 bp

Comment [Standard PCR](#)

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