

RBRC 09696

Strain name C57BL/6J-Tg(SFTPC-CD74/ROS1)125Tno

Primer	primer_name	primer_seq	length	
1	SP-C1_4313F	TTATCTGGGCTTCGGTTCTG	20	Carcinogenesis. 2016 May;37(5):452-60.
2	common	ACTTCCAACCTCCTAAGATGTCC	22	Carcinogenesis. 2016 May;37(5):452-60.
3	oIMR0042	CTAGGCCACAGAATTGAAAGATCT	24	JAX Genotyping Protocol
4	oIMR0043	GTAGGTGGAAATTCTAGCATCATCC	25	JAX Genotyping Protocol

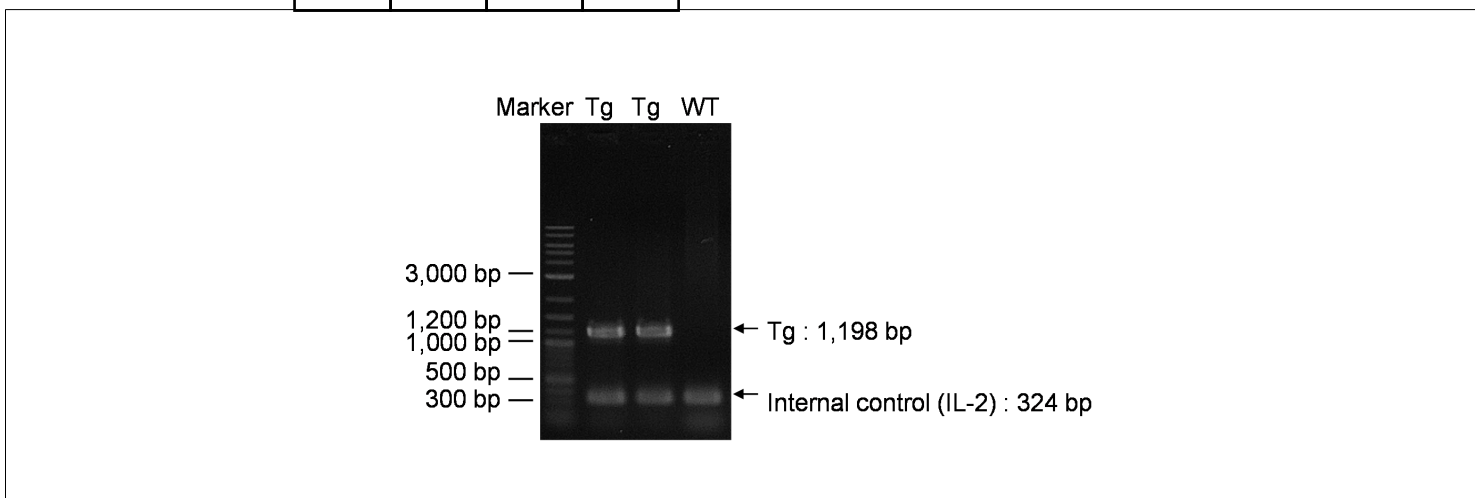
Reaction Components

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

Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	120	
2	98	10*	
3	60	30*	
4	68	90*	*Repeat for 30 cycles

	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			



Marker

2-Log DNA Ladder (NEB, Cat. N3200)

Gel

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

Comment

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

PCR products

primer_set	product_size	product
primer 1	1,198 bp	Tg
primer 3	324 bp	Internal control (IL-2)