

BRC_No 01155 Strain name EGFP-Akt-2 transgenic mouse

Primer				
	primer_name	primer_seq	length	
1	Primer 1	TGAACCGCATCGAGCTGAAGGG	22	
2	Primer 2	TCCAGCAGGACCATGTGATCGC	22	
3	oIMR0042	CTAGGCCACAGAATTGAAAGATCT	24	Internal control (IL-2)
4	oIMR0043	GTAGGTGGAAATTCTAGCATCATCC	25	Internal control (IL-2)

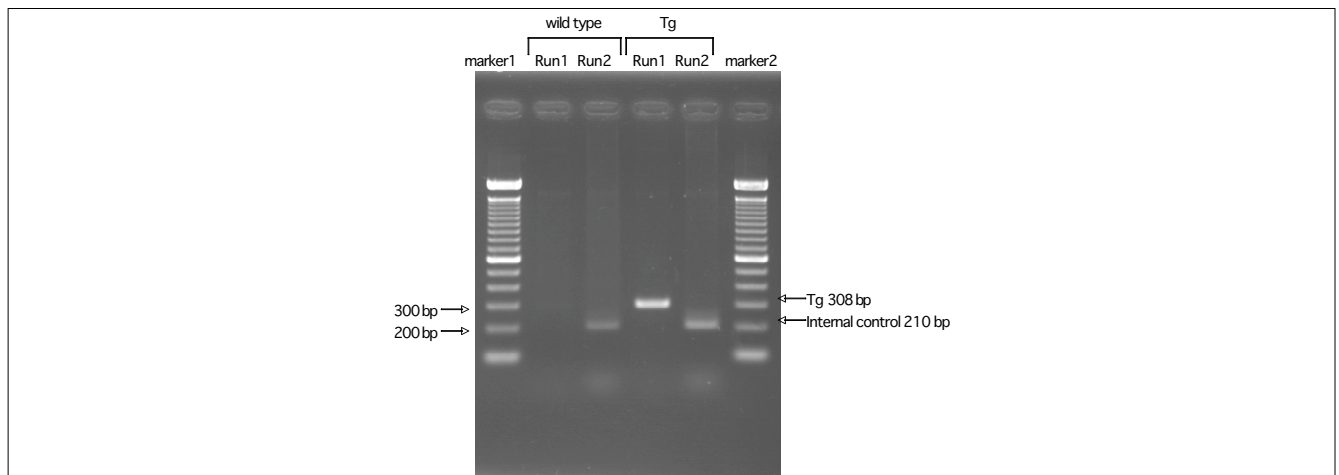
Reaction Components

Enzyme Roche Taq (Cat. No. BM1418432)

Reaction Conditions

	Conc	Run 1	Run 2	Run 3
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	

step	temp (°C)	time (sec)	note
1	94	300	
2	94	30*	
3	65	30*	
4	72	30*	*Repeat for 30 cycles
5	72	300	



Marker

100 bp ladder (Invitrogen, Cat. 15628-050)

Gel

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

PCR products

primer_set	product_size	product
primer 1 primer 2	308 bp	Tg
primer 3 primer 4	324 bp	internal control (IL-2)

Comment