

# PCR protocol

RBRC 01942

Strain name Tisp40-/- mouse

Primer	primer_name	primer_seq	length	
1		CTAAAGCGCATGCTCCAGACTGCC	24	Depositor's primer
2		GGGCCAGTCTCCTACCCAAGC	21	Depositor's primer
3		TTCTGTTGCATAGGCCTGATGACC	24	Depositor's primer

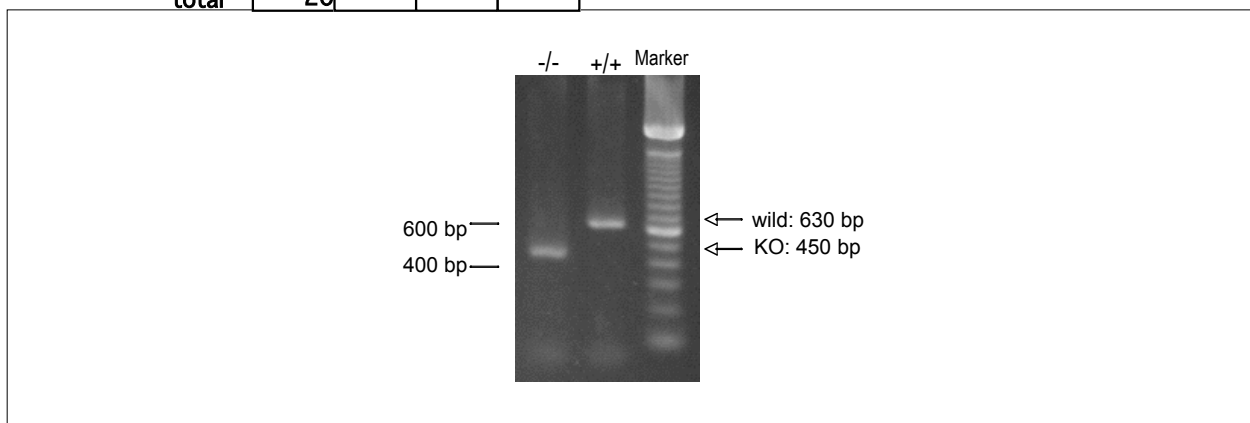
**Reaction Components**

Enzyme TaKaRa LA Taq with GC buffer (Cat. No. RR02AG)

**Reaction Conditions**

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		3.8			
PCR buffer	2 X GC I	10.0			
dNTP	2.5 mM	2.0			
primer 1	10 pmol/ $\mu$ l	1.0			
primer 2	10 pmol/ $\mu$ l	1.0			
primer 3	10 pmol/ $\mu$ l	1.0			
DNA		1.0			
Taq		0.2			
	total	20			

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	60	30*	
4	72	60*	*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 3	450 bp	KO
primer 2	primer 3	630 bp	WT

**Comment**