PCR protocol

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RBRC 09690 **Strain name** B6.Cg-Gpr65<Tn(sb-lacZ,GFP)T1.88Jtak>/Sati

Primer	primer_name	primer_seq	length		
1	TM88I1F5	CGAACTCTAGCTGGCTTTTATCCAATAAT	29		Depositor's primer
2	TM88I1R2	GAACCATTAGTTTGGCTCATGTGACTG	27		Depositor's primer
3	T/BAL	CTTGTGTCATGCACAAAGTAGATGTCC	27		Depositor's primer

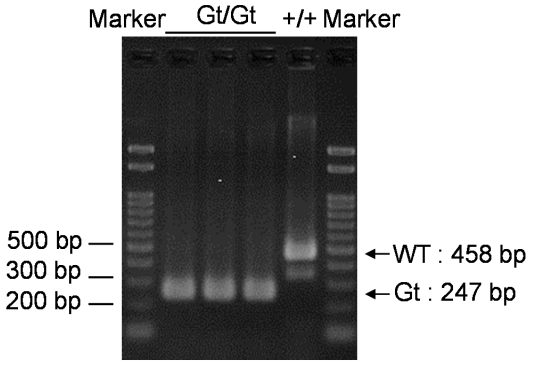
Reaction Components

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

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		1.8			
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			
DNA		1.0			
Taq	1 U/μl	0.2			
total		20			

Reaction Conditions

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



Marker: Gene Ladder 100 (Wako, Cat. 316-06951)

Gel: 2% agarose in 1 X TAE (100 V, 35 min)

PCR products	primer_set	product_size	product
primer 1	primer 2	458 bp	WT
primer 2	primer 3	247 bp	Gt

Comment

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