PCR protocol

RBRC 01577 **Strain name** BALB/c-PI3K KO

Primer	primer_name	primer_seq	length		
1	3Neo	CGGCCACAGTCGATGAATCC	20		Proc. Natl. Acad. Sci. USA, 94, 13069-13074 (1997).
2	p85aS	TGTCTTCAGTCACCCCGTTGAT	22		Depositor's primer
3	p85aAS	GGAGCCTTTATTCACAGTCAGTATGT	26		Depositor's primer

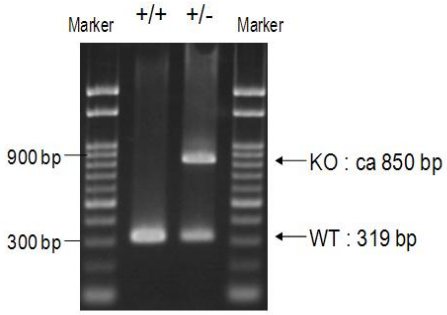
Reaction Components

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 mM	4.0			
primer 1	10 pmol/μl	1.0			
primer 2	10 pmol/μl	1.0			
primer 3	10 pmol/μl	1.0			
Taq	1 U/μl	0.2			
DNA		1.0			
	total	20			

Reaction Conditions

step	temp (℃)	time (sec)	note
1	94	120	
2	98	10	*
3	68	60	* *Repeat for 35 cycles



Marker

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

Gel

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

PCR products

primer_set		product_size	product
primer 1	primer 2	ca 850 bp	KO
primer 2	primer 3	319 bp	WT

Comment