

PCR protocol

RBRC 02407

Strain name B6129-Lplunc1 <tm1Hmd>

Primer	primer_name	primer_seq	length	
1	L-plunc1 R1	TCCAGCTGGAGGATGTTAGC	20	Depositor's primer
2	Lplc1_WT	GGCACTAGCGAGGGAGAAAG	20	RIKEN BRC
3	RP162	CCTTCACGACATTCAACAGACCTTGCATT	29	Depositor's primer

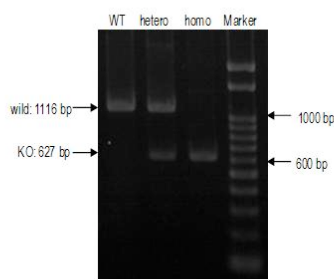
Reaction Components

Enzyme QIAGEN Multiplex PCR Kit (Cat. No. 206143)

Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		1.0			
Master Mix		5.0			
primer 1	10 pmol/ μ l	1.0			
primer 2	10 pmol/ μ l	1.0			
primer 3	10 pmol/ μ l	1.0			
DNA		1.0			
total		10			

step	temp (°C)	time (sec)	note
1	95	900	
2	94	30*	
3	60	90*	
4	72	90*	*Repeat for 30 cycles
5	72	600	



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	1116 bp	WT
primer 2	627 bp	KO

Comment