PCR protocol

Sheet ID PS_06682
Release date : 5/31/2017
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RBRC 09282 **Strain name** C57BL/6N-Unc5c<em1Rbrc>

Primer	primer_name	primer_seq	length		
1		CAGGTTATGATAATCATCTGGAG	23		RIKEN BRC
2		GTCCACTGAATCCATATATAGG	22		RIKEN BRC

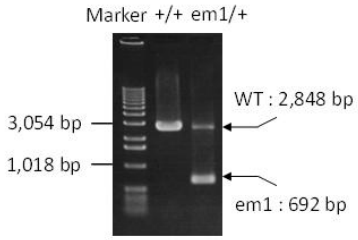
Reaction Components

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

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		2.6			
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			
DNA		1.0			
Taq	1 U/μl	0.4			
	total	20			

Reaction Conditions

step	temp (℃)	time (sec)	note
1	94	120	
2	98	10*	
3	60	30*	
4	68	240*	*Repeat for 30 cycles



Marker

1 kb DNA ladder (Invitrogen, Cat. 15615-024)

Gel

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

PCR products	primer_set	product_size	product
primer 1	primer 2	2,848 bp	WT
primer 1	primer 2	692 bp	em1

Comment