

PCR protocol

Sheet ID PS_04742
Release date : 05/14/2012
Print date : 2/6/2014

RBRC 01044

Strain name CBP Knockout mice

Primer	primer_name	primer_seq	length	
1	Forward Cbp	ACTTTACCACATTCTCCTCAACCCTCCAGG	30	Depositor's primer
2	Reverse Cbp	TCAACAAGGGCAAGCTCAAGTCATGAATGG	30	Depositor's primer
3	5Neo	TGGATTGCACGCAGGTTCTC	20	

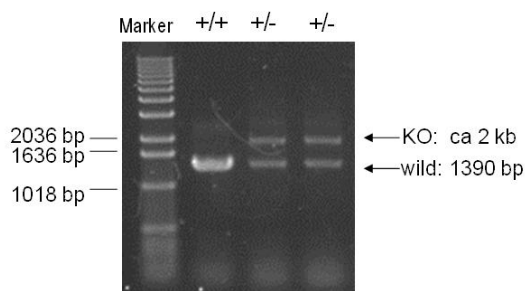
Reaction Components

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

Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		3.9			
PCR buffer	2 X GC I	10.0			
dNTP	2.5 mM	2.0			
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			
Taq	5 U/ μ l	0.1			
total		20			

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	55	30*	
4	72	120*	*Repeat for 35 cycles
5	72	300	



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	1390 bp
primer 1	primer 3	ca 2 kb

Comment