

PCR protocol

Sheet ID PS_05797
Release date : 4/13/2015
Print date : 4/13/2015

RBRC 01170

Strain name Schnurri-2(Shn-2) Knockout mice -B6

Primer	primer_name	primer_seq	length	
1	EP2H	AACCACAGATAGATCCTGAGCAG	23	Depositor's primer
2	Neoter B	AAGAAGGGTGAGAACAGAGTACC	23	Depositor's primer
3	R124	GACAGTCTCAGCGCAAGTTTCTG	23	Depositor's primer

Reaction Components

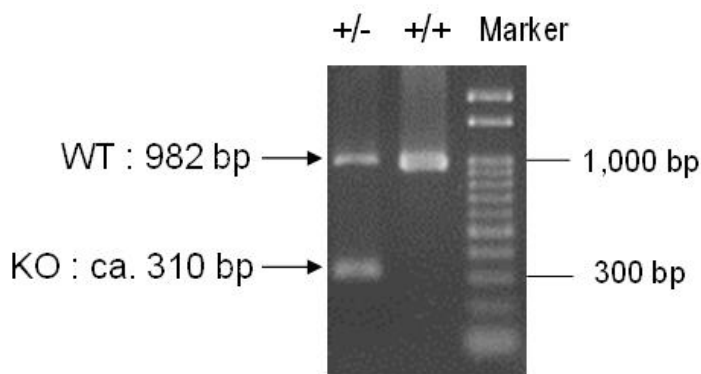
Enzyme TOYOBO KOD FX (Code.No : KFX-101)

Reaction Conditions

	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/ μ l	1.0			
primer 2	10 pmol/ μ l	1.0			
primer 3	10 pmol/ μ l	1.0			
DNA		1.0			
Taq	1 U/ μ l	0.2			
total		20			

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

Standard PCR



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	982 bp	WT
primer 1	ca. 310 bp	KO

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

PCR protocol

Sheet ID PS_02687
Release date : 11/06/2009
Print date : 4/13/2015

RBRC 01170

Strain name Schnurri-2(Shn-2) Knockout mice -B6

Primer	primer_name	primer_seq	length	
1	EP2H	AACCACAGATAGATCCTGAGCAG	23	Depositor's primer
2	Neoter B	AAGAAGGGTGAGAACAGAGTACC	23	Depositor's primer
3	R124	GACAGTCTCAGCGCAAGTTTCTG	23	Depositor's primer

Reaction Components

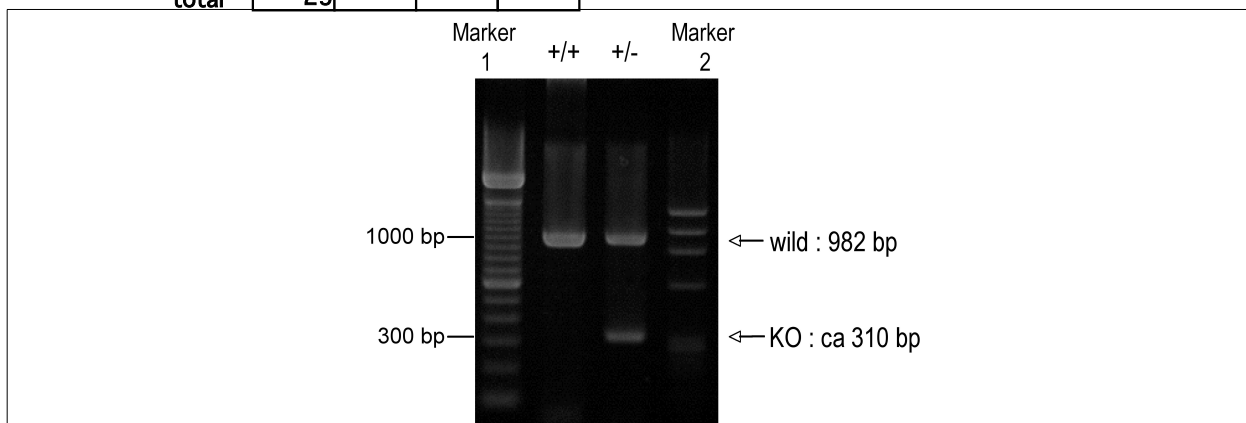
Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		16.3			
PCR buffer	10 X	2.5			
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		0.2			
total		25			

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	63	30*	
4	72	60*	*Repeat for 30 cycles
5	72	300	

Standard PCR



Marker

marker 1:100 bp ladder (Invitrogen, Cat. 15628-050), marker2: ϕ X174 Hae III

Gel

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

PCR products

primer_set	product_size	product
primer 1	ca 310 bp	KO
primer 1	982 bp	WT

Comment