

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

PCR protocol

Sheet ID PS_00989
Release date : 07/08/2010
Print date : 1/13/2016

RBRC 01923

Strain name B6;129-Zfhx1a<tm2Yhi>

Primer	primer_name	primer_seq	length	
1	Primer F	AGCACTATTCTCCGCTACTCCAC	23	Depositor's primer
2	Primer I	AACCGTGCATCTGCCAGTTTGAG	23	Development, 125, 21-31 (1998).
3	Primer TM1	ACCGCACCTGGTTTACGACACTC	23	Depositor's primer

Reaction Components

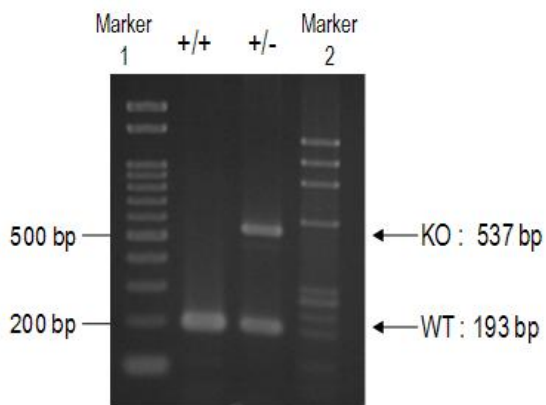
Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

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	64	30	
4	72	30*	*Repeat for 30 cycles
5	72	300	

Standard PCR



Marker

marker 1: Gene Ladder 100 (Wako, Cat. 316-06951), marker2:

Gel

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

PCR products

primer_set	product_size	product
primer 1	primer 2	537 bp
primer 1	primer 3	193 bp

Comment