

PCR protocol

RBRC 01055 Strain name Ski Knockout mouse

Primer	primer_name	primer_seq	length	
1	mSKI,F	GCTGTGAGACCGTGCTGGAAGG	22	Depositor's primer
2	mSKI,R	GGCGTCCGTCTTGGTGATGA	20	Depositor's primer
3	5Neo	TGGATTGCACGCAGGTTCTC	20	

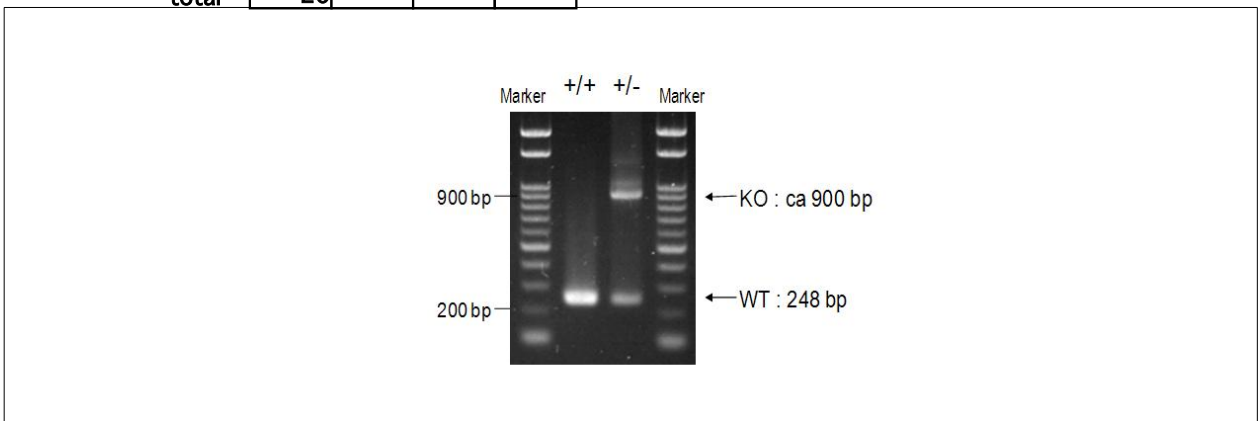
Reaction Components

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

Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	120	
2	98	10*	
3	68	60*	*Repeat for 35 cycles

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		1.8			
PCR buffer	2 X	10.0			
dNTP	2.0 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	10 pmol/ μ l	1.0			
Taq	1 U/ μ l	0.2			
total		20			



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	primer 2	248 bp	WT
primer 2	primer 3	ca 900 bp	KO

Comment