

PCR protocol

RBRC 03161

Strain name B6.B6129-Ednra<tm5Hku>

Primer	primer_name	primer_seq	length	
1	Ednra_F	GGCGTGAGACCAACATAAGAAG	22	RIKEN BRC
2	Ednra_R	gagccctcaggactttcctacc	22	RIKEN BRC
3	EGFP-R	GAACTCCAGCAGGACCATGTGAT	23	Depositor's primer

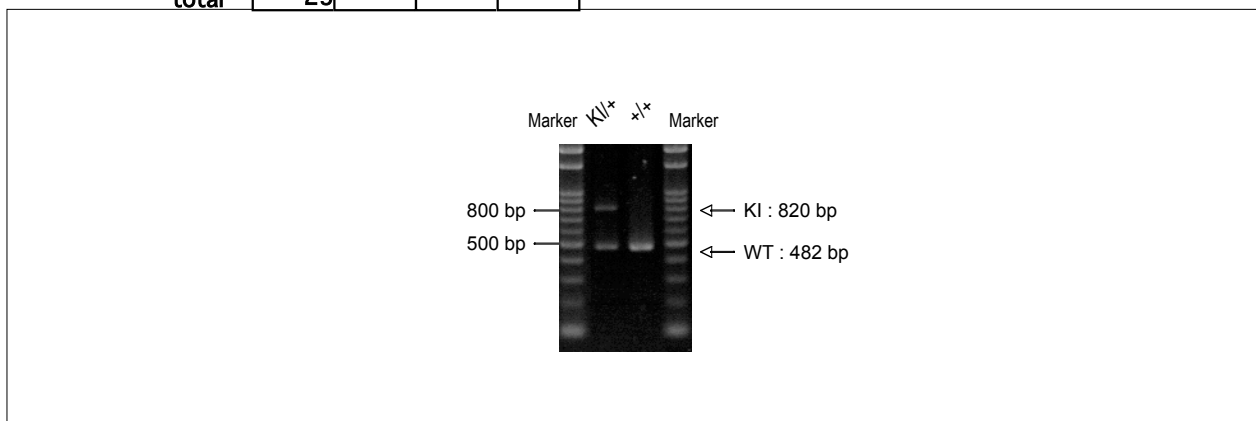
Reaction Components

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	60	30*	
4	72	60*	*Repeat for 30 cycles
5	72	300	


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	482 bp	WT
primer 1 primer 3	820 bp	KI

Comment