

RBRC 01858

Strain name B6;129S4-Tubg2^{tm1Sts}/StsRbrc

[illegible]

Reaction Components

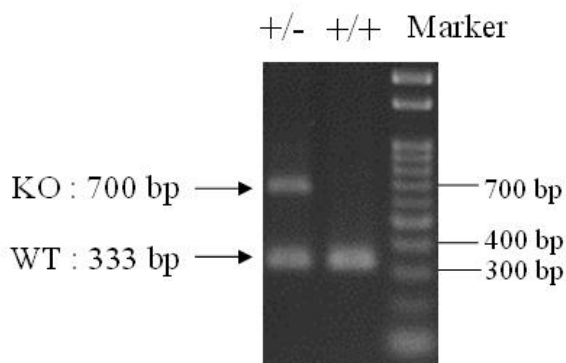
Enzyme TOYOBO KOD FX (Code.No : KFX-101)

[illegible]

Reaction Conditions

[illegible]

Standard PCR



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	333 bp	WT
primer 1	primer 3	700 bp	KO

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

PCR protocol

Sheet ID PS_00936
Release date : 01/12/2010
Print date : 1/13/2016

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Strain name B6;129S4-Tubg2<tm1Sts>/StsRbrc

Primer	primer_name	primer_seq	length	
1		GACCGAGAAGCAGATGGAAGTGAC	24	RIKEN BRC
2		CCTGTCCCCCAGCAATGGAGTG	23	RIKEN BRC
3	Neo	GCAATCCATCTTGTCAATGGCC	23	

Reaction Components

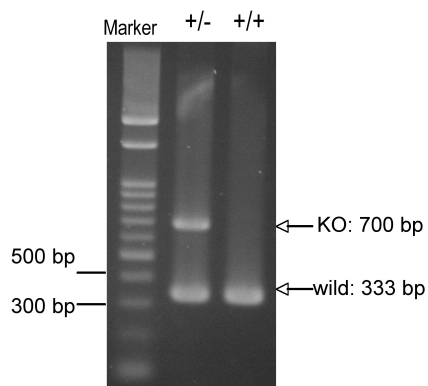
Enzyme TaKaRa LA Taq with GC buffer (Cat. No. RR02AG)

Reaction Conditions

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		3.8			
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		0.2			
total		20			

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	60	30*	
4	72	120*	*Repeat for 30 cycles
5	72	300	

Standard PCR



Marker

100 bp ladder (Invitrogen, Cat. 15628-050)

Gel

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

PCR products

primer_set		product_size	product
primer 1	primer 2	333 bp	WT
primer 1	primer 3	700 bp	KO

Comment