PCR protocol

Sheet ID PS_06834
Release date : 9/15/2016
Print date : 9/15/2016

RBRC 06563 Strain name B6.Cg-Rhof<tm1.2Dash>

Primer	primer_name	primer_seq	length		
1	exon1_F	CTAATGGTGTACTGCCAAGGCTC	23		RIKEN BRC
2	SARv2#	GCTGGGGAAGGGGGTCCAGAGTTTCACCTCAAT	33		Nagoya J. Med. Sci., 76, 293-305 (2014).

Reaction Components

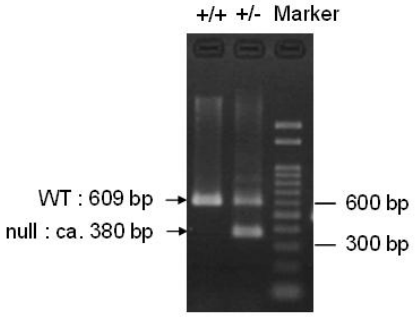
Enzyme: TOYOBO KOD FX (Code.No : KFX-101)

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		2.8			
PCR buffer	2 X	10.0			
dNTP	2.0 mM	4.0			
primer 1	10 pmol/μl	1.0			
primer 2	10 pmol/μl	1.0			
DNA		1.0			
Taq	1 U/μl	0.2			
	total	20			

Reaction Conditions

step	temp (℃)	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, 30 min)

PCR products

primer_set		product_size	product
primer 1	primer 2	609 bp	WT
primer 1	primer 2	ca. 380 bp	null

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

PCR protocol

Sheet ID PS_06752
Release date : 2/18/2016
Print date : 9/15/2016

RBRC 06563 Strain name B6.Cg-Rhof<tm1.2Dash>

Primer	primer_name	primer_seq	length		
1	SAFw2	TGAGGTAGGGCTGGGTGAGTAGGCAGGCTGGAA	33		Nagoya J. Med. Sci., 76, 293-305 (2014).
2	SARv2#	GCTGGGGAAGGGGGTCCAGAGTTTCACCTCAAT	33		Nagoya J. Med. Sci., 76, 293-305 (2014).

Reaction Components

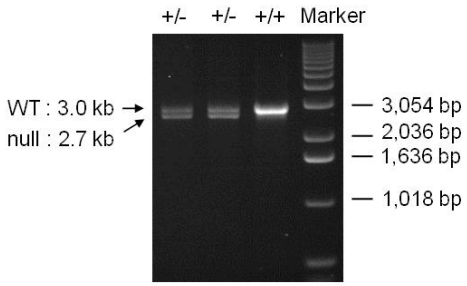
Enzyme: TOYOBO KOD FX (Code.No : KFX-101)

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		2.8			
PCR buffer	2 X	10.0			
dNTP	2.0 mM	4.0			
primer 1	10 pmol/μl	1.0			
primer 2	10 pmol/μl	1.0			
DNA		1.0			
Taq	1 U/μl	0.2			
	total	20			

Reaction Conditions

step	temp (℃)	time (sec)	note
1	94	120	
2	98	10	*
3	60	30	*
4	68	300	* *Repeat for 30 cycles

Standard PCR



Marker

1 kb DNA ladder (Invitrogen, Cat. 15615-024)

Gel

1.3% agarose in 1 X TAE (100 V, 90 min)

PCR products

primer_set		product_size	product
primer 1	primer 2	3.0 kb	WT
primer 1	primer 2	2.7 kb	null

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