

RBRC 06493

Strain name ICR.Cg-Hes1<tm1(venus)Imayo>

Primer	primer_name	primer_seq	length	Reference
1	HES1(+)	ATATATAGAGGCCGCCAGGGCCTGCCGATC	30	Depositor's primer
2	HES1 WT(-)	CGCAGGTACTGTCTTACCTTTCTGTGCTCAGAGGCC	36	Depositor's primer

Reaction Components

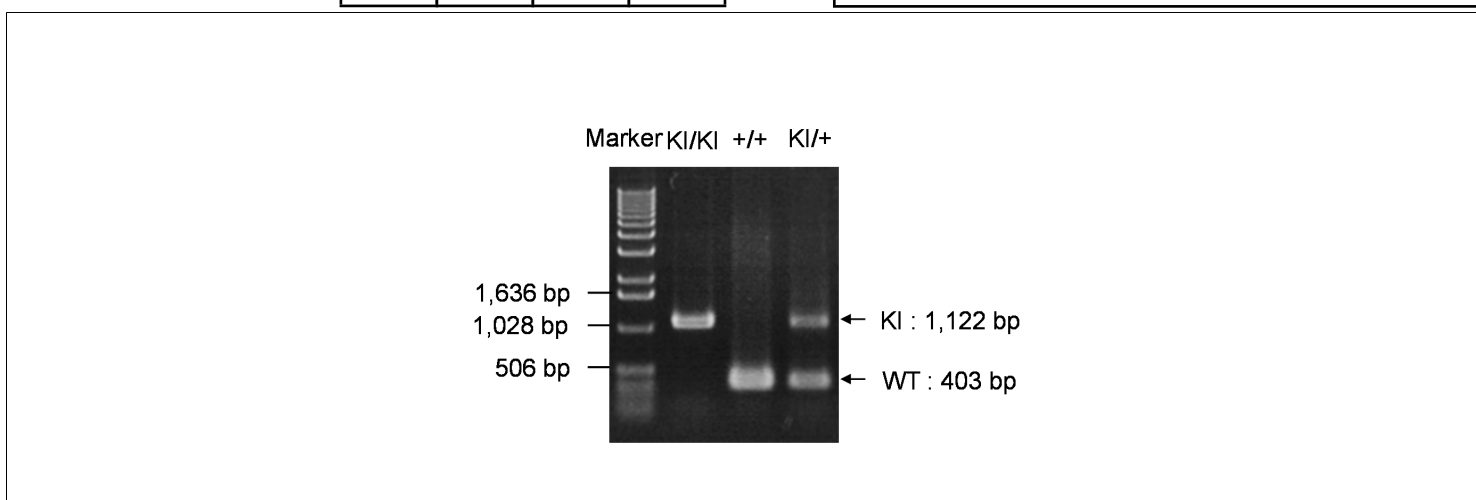
Enzyme TOYOBO KOD FX (Code.No : KFX-101)

Reagent	Conc	Reaction 1	2	3	4	(μL)
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		0.2				
total		20				

Reaction Conditions

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

Marker	1 kb DNA ladder (Invitrogen, Cat. 15615-024)
Gel	1% agarose in 1 X TAE (100 V, 30 min)



primer_set	product_size	product (allele type)
primer 1	403 bp	WT
primer 1	1,122 bp	KI

Comment [Standard PCR](#)

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