

RBRC 11578

Strain name C.Cg-Hras<tm1.1(G12S)Tumg>

Primer	primer_name	primer_seq	length		Reference
1	mHras1-Fw	CGCTCAGTAAATAGTTGTAGGTTGC	25		EBioMedicine, 27:138-150 (2018).
2	mHras1-Rv	CTCAGACCAGAGAATCCACAGAAC	24		EBioMedicine, 27:138-150 (2018).

Reaction Components

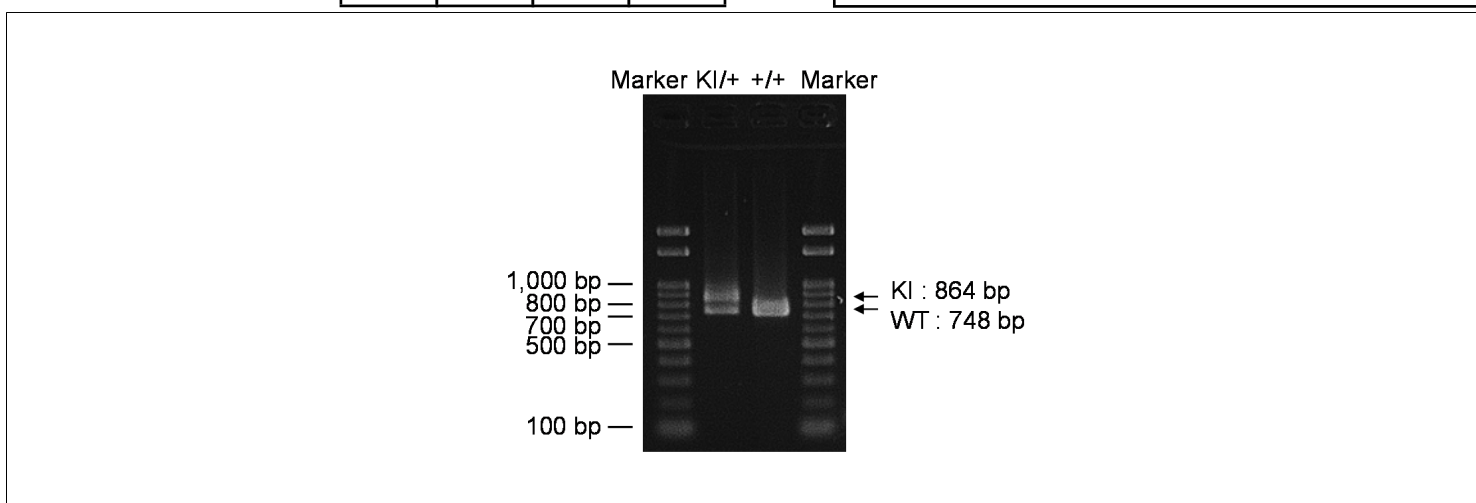
Enzyme TOYOBO KOD FX (Code.No : KFX-101)

Reaction Conditions

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

Reagent	Conc	Reaction 1	2	3	4	(μ L)
H2O		2.8				
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				
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)



primer_set	product_size	product (allele type)	
primer 1	primer 2	748 bp	WT
primer 1	primer 2	864 bp	KI

+/+ (wild-type): 748 bp
KI/+ (heterozygous): 748 bp and 864 bp

Comment Standard PCR

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