

RBRC 11851

Strain name FVB/N-Slc7a9<cys>/Nsas

Primer	primer_name	primer_seq	length	Reference
1	forward	GAAGAGGGAAAGCAGGCAGGCTCCGAGGTA	30	Depositor's primer
2	reverse	TGGCTCACAACTGCTGTGGTTCCAGCTCCA	30	Depositor's primer

### Reaction Components

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

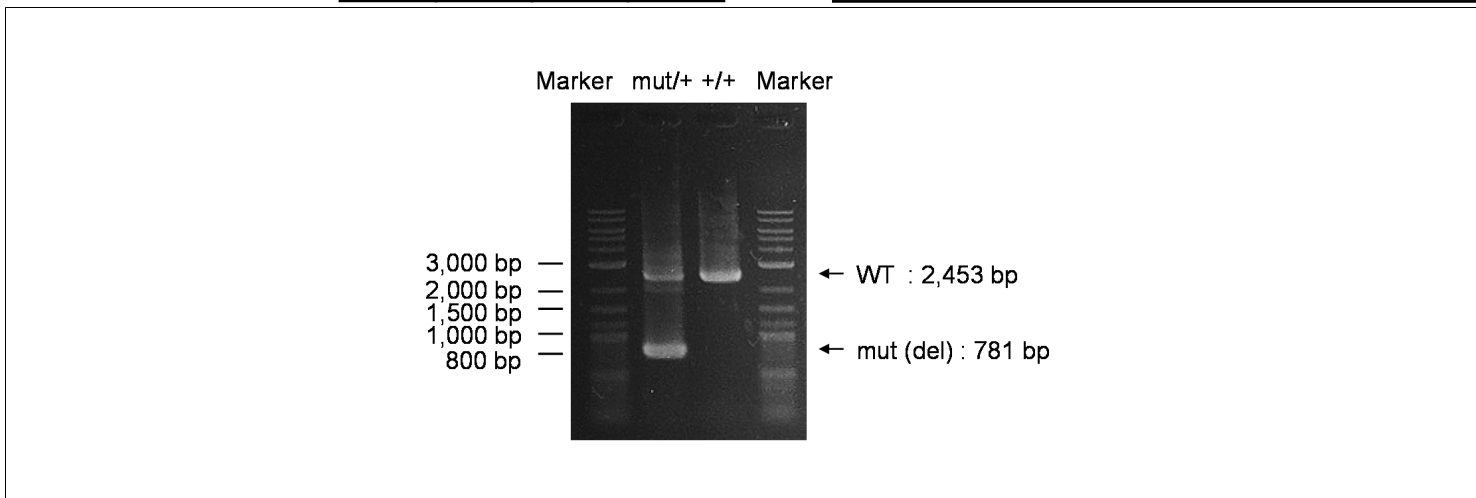
### Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	120	
2	98	10*	
3	65	30*	
4	68	240*	*Repeat for 30 cycles

Reagent	Conc	Reaction 1	2	3	4	( $\mu$ L)
H2O		2.8				
PCR buffer	2 X	10.0				
dNTP	2.0 mM	4.0				
primer 1	10 pmol/ $\mu$ l	1.0				
primer 2	10 pmol/ $\mu$ l	1.0				
DNA		1.0				
Taq	1 U/ $\mu$ l	0.2				
<b>total</b>		20				

**Marker** 2-Log DNA Ladder (NEB, Cat. N3200)

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



primer_set	product_size	product (allele type)	
primer 1	primer 2	2,453 bp	WT
primer 1	primer 2	781 bp	mutant (del)

**Comment** Standard PCR

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