

RBRC 10079

Strain name B6.Cg-Uchl1 <gad>/Wada

Primer	primer_name	primer_seq	length	
1	gadf4	AGCCAAGTGTTCGAGAAGAACGAG	25	Depositor's primer
2	gadr5	TACAGATGGCCGTCCACGTTGTTGA	25	Depositor's primer
3	gadr3	TGGCAGCATCCTGAAAAGGAGAGGTG	26	Depositor's primer

### Reaction Components

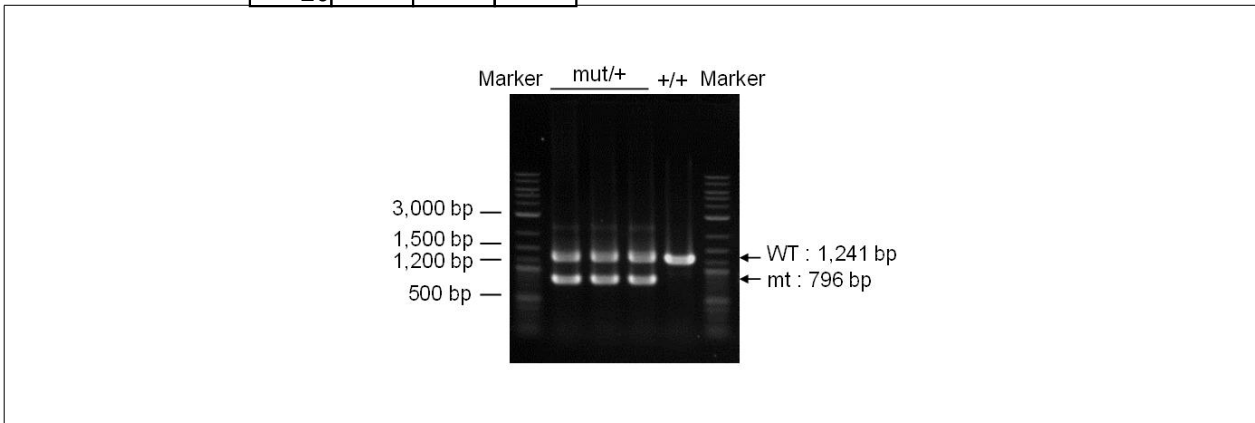
Enzyme TOYOBO KOD FX (Code.No : KFX-101)

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		1.8			
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			
primer 3	10 pmol/ $\mu$ l	1.0			
DNA		1.0			
Taq	1 U/ $\mu$ l	0.2			
total		20			

### Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	120	
2	98	10*	
3	60	30*	
4	68	180*	*Repeat for 30 cycles

### Standard PCR



### Marker

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

### Gel

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

### Comment

PCR products	primer_set	product_size	product
primer 1	primer 2	1,241 bp	WT
primer 1	primer 3	796 bp	mutant

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