

RBRC 10053

Strain name B6(Cg)-Aqp4<tm1.1Tсна>

Primer	primer_name	primer_seq	length	
1	AQP4 in 2F	CAGGGCTGGCTTTAAGCAC	19	Depositor's primer
2	AQP4 in 3R	CAGCTGCTGGTGAAGACCTAG	21	Depositor's primer

### Reaction Components

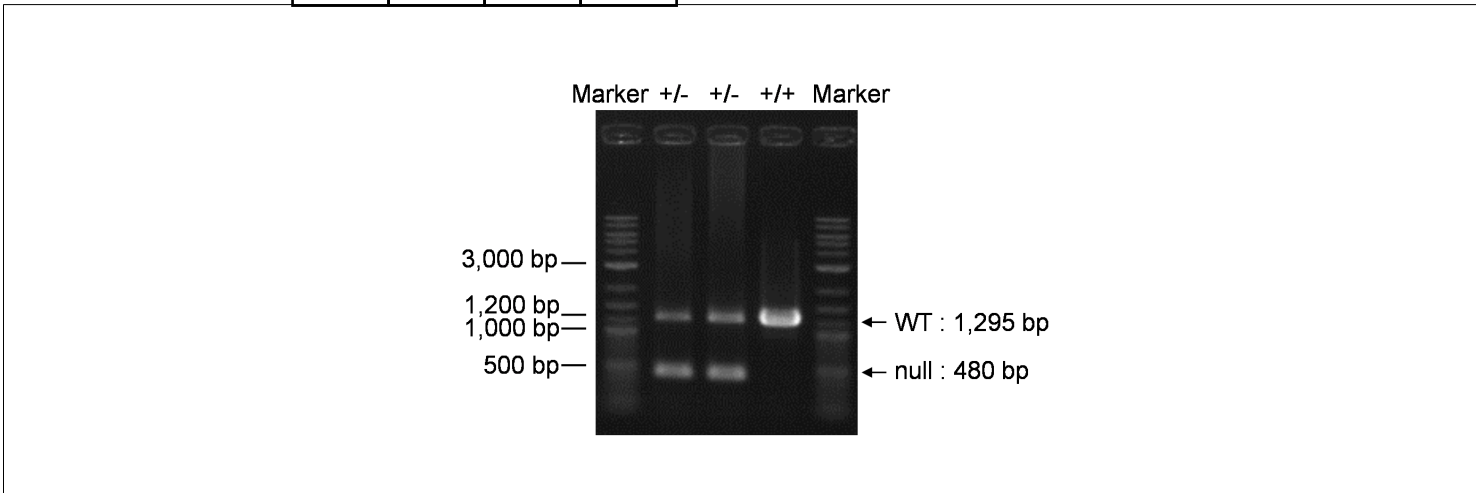
**Enzyme** TOYOBO KOD FX (Code.No : KFX-101)

	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 (°C)	time (sec)	note
1	94	120	
2	98	10*	
3	60	30*	
4	68	120*	*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)

### PCR products

primer_set	product_size	product
primer 1	1,295 bp	WT
primer 1	480 bp	null

### Comment

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