

RBRC 04828

Strain name C57BL/6-Pold1 <tm1.1Uchi>/FTyagRbrc

Primer	primer_name	primer_seq	length	
1	P1	GGAGTCCAGGTGTGCGTTAC	20	Depositor's primer
2	P3	CAGATTCCCCTCTGTGCATC	20	Depositor's primer

**Reaction Components**

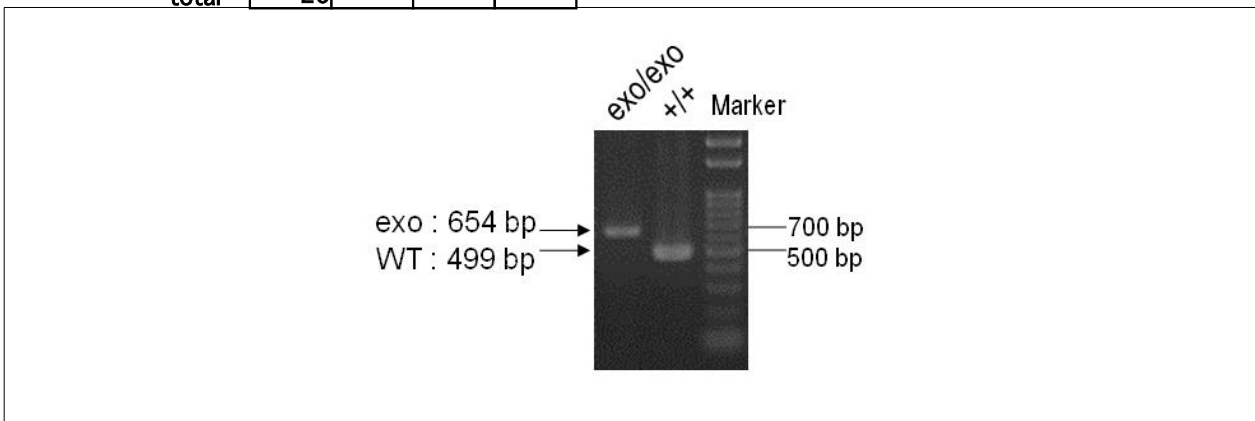
Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

**Reaction Conditions**

	Conc	Run 1	Run 2	Run 3	Run 4
H2O		13.3			
PCR buffer	10 X	2.0			
dNTP	2.5 mM	1.6			
primer 1	10 pmol/ $\mu$ l	1.0			
primer 2	10 pmol/ $\mu$ l	1.0			
DNA		1.0			
Taq	5 U/ $\mu$ l	0.1			
<b>total</b>		<b>20</b>			

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	60	30*	
4	72	60*	*Repeat for 30 cycles
5	72	300	

Standard PCR



**Marker**  
Gene Ladder 100 (Wako, Cat. 316-06951)

**Gel**  
2% agarose in 1 X TAE (100 V, 30 min)

PCR products			
	primer_set	product_size	product
primer 1	primer 2	499 bp	WT
primer 1	primer 2	654 bp	exo

Comment