

RBRC 09812

Strain name B6.Cg-Pcdhbg<tm>;Tg(Taf7)/TyagRbrc

Primer	primer_name	primer_seq	length	Reference
1	EN wild F	AGCCTAAGGGTCACAATGGAAGC	23	Depositor' s primer
2	ENR	CCAAGGCGACAGAGAAGGAAG	21	Front. Mol. Neurosci., 9:155 (2016).
3	B01,5wtF	TTGTGAGTGCTCCATAGCCTC	21	Depositor' s primer
4	BAC probe F	GCGCGCCAAAGCTTGCATGC	20	Front. Mol. Neurosci., 9:155 (2016).
5	BAC probe R	CTCTCCCTATAGTGAGTC	18	Front. Mol. Neurosci., 9:155 (2016).

Reaction Components

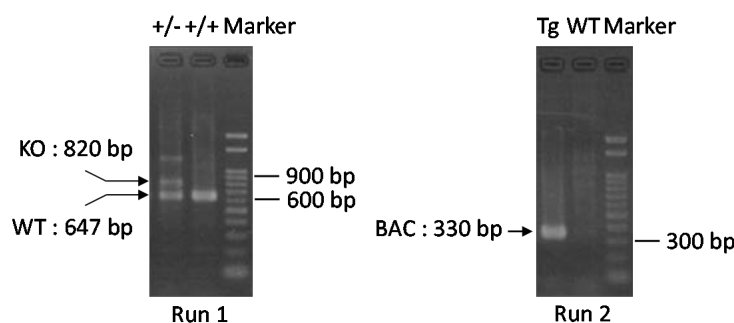
Enzyme	TOYOBO KOD FX (Code.No : KFX-101)
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Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	120	[Reaction 1]
2	98	10*	
3	60	30*	
4	68	60*	*Repeat for 30 cycles
1	94	120	[Reaction 2]
2	98	10*	
3	55	30*	
4	68	60*	*Repeat for 30 cycles

Reagent	Conc	Reaction 1	2	3	4
H2O		1.8	2.8		
PCR buffer	2 X	10.0	10.0		
dNTP	2.0 mM	4.0	4.0		
primer 1	10 pmol/ μ l	1.0	0		
primer 2	10 pmol/ μ l	1.0	0		
primer 3	10 pmol/ μ l	1.0	0		
primer 4	10 pmol/ μ l	0	1.0		
primer 5	10 pmol/ μ l	0	1.0		
DNA		1.0	1.0		
Taq	1 U/ μ l	0.2	0.2		
total		20	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	647 bp
primer 2	primer 3	820 bp
primer 4	primer 5	330 bp

Comment [Standard PCR](#)

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