

RBRC 10379

Strain name ICR.Cg-Tg(Kiss1-cre,-AcGFP)1Nurep

| Primer | primer_name | primer_seq | length | Reference |
|--------|-------------|---------------------------|--------|--------------------|
| 1 | exon 2 | CTGGAAGGAGACTGTAGACCTG | 22 | RIKEN BRC |
| 2 | #72 | CCTGGGTATCTCTCAAGTGCAGAAA | 25 | Depositor's primer |
| 3 | 442-465 | GGTCATGATGTACACATTGTGGGC | 24 | RIKEN BRC |
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Reaction Components

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

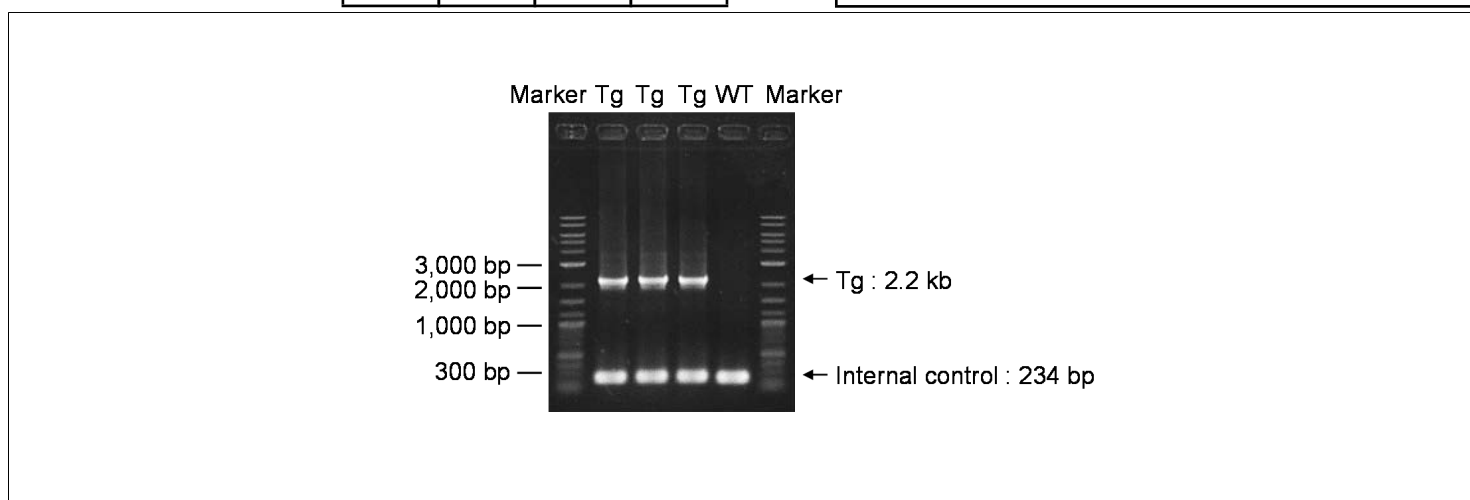
Reaction Conditions

| step | temp (°C) | time (sec) | note |
|------|-----------|------------|-----------------------|
| 1 | 94 | 120 | |
| 2 | 98 | 10* | |
| 3 | 60 | 30* | |
| 4 | 68 | 180* | *Repeat for 30 cycles |
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| Reagent | Conc | Reaction 1 | 2 | 3 | 4 | (μL) |
|--------------|------------|------------|---|---|---|------|
| H2O | | 1.8 | | | | |
| 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 | | | | |
| primer 3 | 10 pmol/μl | 1.0 | | | | |
| DNA | | 1.0 | | | | |
| Taq | 1 U/μl | 0.2 | | | | |
| | | | | | | |
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| | | | | | | |
| | | | | | | |
| total | | 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 | 234 bp | Internal control |
| primer 1 primer 3 | 2.2 kb | Tg |
| | | |
| | | |
| | | |
| | | |
| | | |

Non-Tg : 234 bp
Tg : 234 bp, 2.2 kb

Comment [Standard PCR](#)

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