

RBRC 10246

Strain name B6.129P2-Avil<tm2(cre)Faw>

| Primer | primer_name | primer_seq | length | |
|--------|-------------|-------------------------|--------|--------------------------------------|
| 1 | Avil/003 | CCCTGTTCACTGTGAGTAGG | 20 | J. Neurosci., 27(52):14404-14(2007). |
| 2 | Avil/002 | AGTATCTGGTAGGTGCTTCCAG | 22 | J. Neurosci., 27(52):14404-14(2007). |
| 3 | 1-CN3-2 | TGTTTCACTATCCAGGTTACGGA | 23 | RIKEN BRC |
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Reaction Components

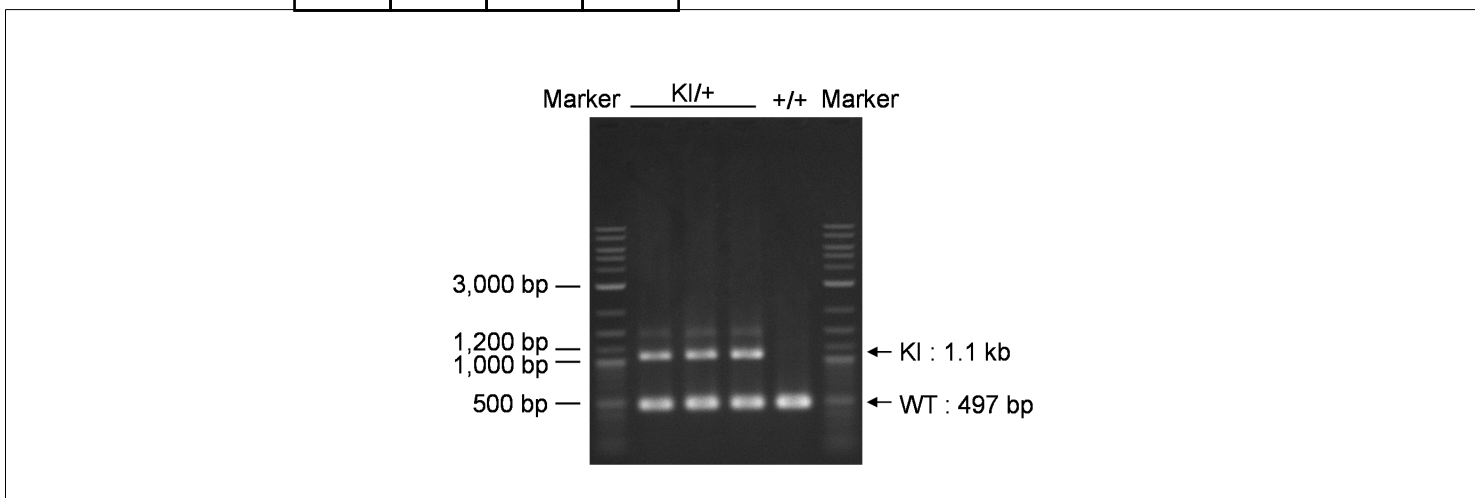
Enzyme TOYOBO KOD FX (Code.No : KFX-101)

| | Conc | Run 1 | Run 2 | Run 3 | Run 4 |
|--------------|------------|-----------|-------|-------|-------|
| H2O | | 1.8 | | | |
| PCR buffer | 2 X | 10.0 | | | |
| dNTP | 2 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 | | | |

Reaction Conditions

| step | temp (°C) | time (sec) | note |
|------|-----------|------------|-----------------------|
| 1 | 94 | 120 | |
| 2 | 98 | 10* | |
| 3 | 60 | 30* | |
| 4 | 68 | 90* | *Repeat for 30 cycles |
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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 | 497 bp | WT |
| primer 1 | primer 3 | 1.1 kb | KI |
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Novagen KOD Xtreme™ Hot Start DNA Polymerase can be purchased from EMD.