

RBRC 02432

Strain name (hRN8-12 x hAG2-5)F1

| Primer | primer_name | primer_seq | length | |
|--------|-------------|--------------------------|--------|-----------|
| 1 | REN5_common | CTCACAGGTGGGTGGAATCAC | 21 | RIKEN BRC |
| 2 | hREN3 | CCTCTTGCTCCAGAGTGCGCTGTC | 25 | RIKEN BRC |
| 3 | mREN3 | TGTGGCCAGTCCCTGGGGACCG | 22 | RIKEN BRC |
| 4 | hAGT5 | CTTCTCAGTGAGCGCTCCTCC | 21 | RIKEN BRC |
| 5 | hAGT3 | GAACTCCTGGCCTCAAGCGATCC | 23 | RIKEN BRC |
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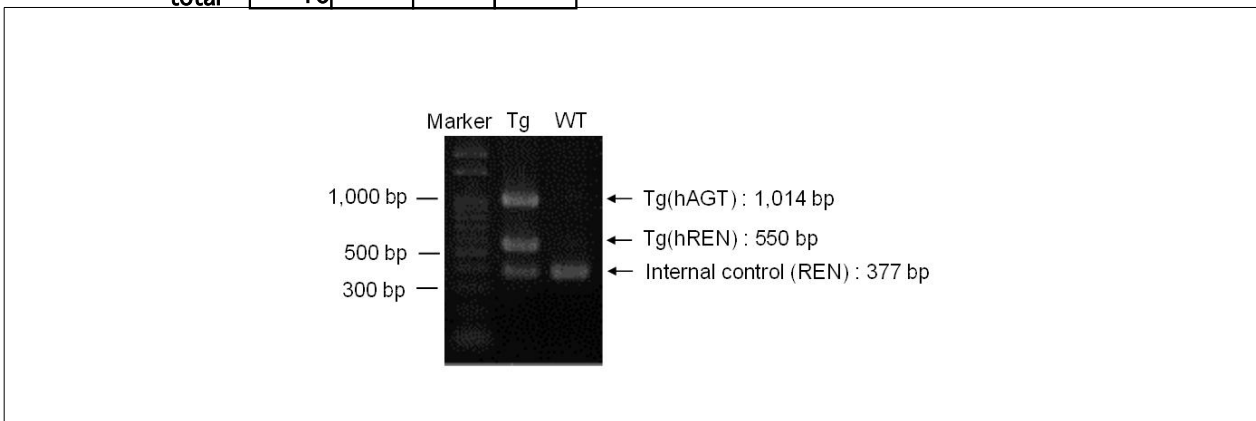
Reaction Components

Enzyme QIAGEN Multiplex PCR Kit (Cat. No. 206143)

Reaction Conditions

| | Conc | Run 1 | Run 2 | Run 3 | Run 4 |
|--------------|------------------|-----------|-------|-------|-------|
| H2O | | 1.5 | | | |
| Master Mix | 2 X | 5.0 | | | |
| primer 1 | 10 pmol/ μ l | 0.5 | | | |
| primer 2 | 10 pmol/ μ l | 0.5 | | | |
| primer 3 | 10 pmol/ μ l | 0.5 | | | |
| primer 4 | 10 pmol/ μ l | 0.5 | | | |
| primer 5 | 10 pmol/ μ l | 0.5 | | | |
| DNA | | 1.0 | | | |
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| total | | 10 | | | |

| step | temp (°C) | time (sec) | note |
|------|-----------|------------|-----------------------|
| 1 | 95 | 900 | |
| 2 | 94 | 30* | |
| 3 | 65 | 90* | |
| 4 | 72 | 60* | *Repeat for 30 cycles |
| 5 | 72 | 600 | |
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Marker
Gene Ladder 100 (Wako, Cat. 316-06951)

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

| PCR products | | product_size | product |
|--------------|----------|--------------|------------------------|
| primer_1 | primer_2 | | |
| primer 1 | primer 2 | 550 bp | Tg (hREN) |
| primer 1 | primer 3 | 377 bp | Internal control (Ren) |
| primer 4 | primer 5 | 1014 bp | Tg (hAGT) |
| | | | |
| | | | |

Comment