

PCR protocol

RBRC 01492

Strain name DBH-Cre/9-9

| Primer | primer_name | primer_seq | length | |
|--------|-------------|-----------------------------|--------|---|
| 1 | Cre | CTAATCGCCATCTTCCAGCAGG | 22 | Depositor's primer |
| 2 | hDBH | gaagggacagcatccgcctgtc | 22 | RIKEN BRC |
| 3 | mLC3ex3GT | TGAGCGAGCTCATCAAGATAATCAGGT | 27 | Mol. Biol. Cell., 15, 1101-1111 (2004). |
| 4 | mLC3ex4AG | GTTAGCATTGAGCTGCAAGCGCCGTCT | 27 | Mol. Biol. Cell., 15, 1101-1111 (2004). |
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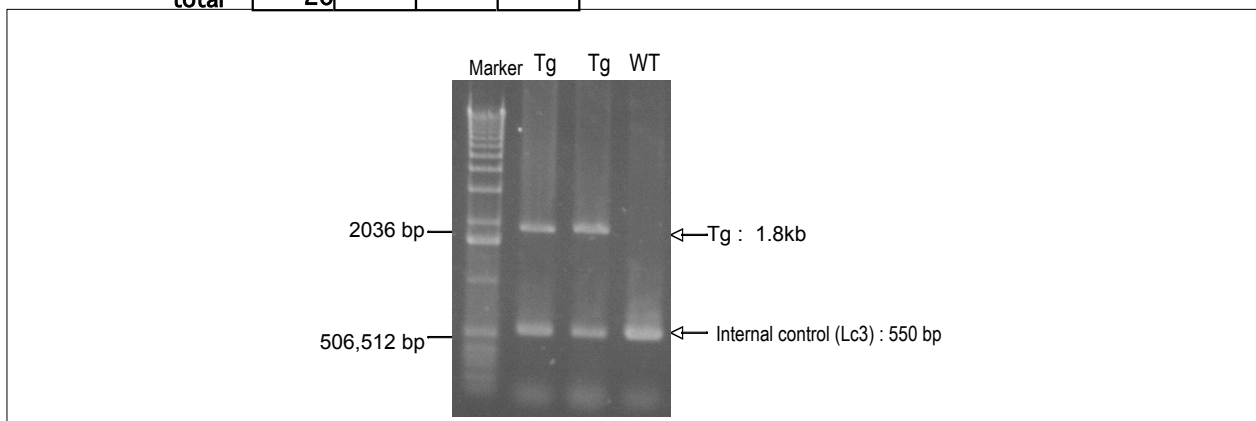
Reaction Components

Enzyme TaKaRa LA Taq with GC buffer (Cat. No. RR02AG)

Reaction Conditions

| step | temp (°C) | time (sec) | note |
|------|-----------|------------|-----------------------|
| 1 | 94 | 180 | |
| 2 | 94 | 30* | |
| 3 | 60 | 30* | |
| 4 | 72 | 120* | *Repeat for 30 cycles |
| 5 | 72 | 300 | |
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| | Conc | Run 1 | Run 2 | Run 3 | Run 4 |
|------------|------------------|-------|-------|-------|-------|
| H2O | | 2.8 | | | |
| PCR buffer | 2 X GC I | 10.0 | | | |
| dNTP | 2.5 mM | 2.0 | | | |
| primer 1 | 10 pmol/ μ l | 1.0 | | | |
| primer 2 | 10 pmol/ μ l | 1.0 | | | |
| primer 3 | 10 pmol/ μ l | 1.0 | | | |
| primer 4 | 10 pmol/ μ l | 1.0 | | | |
| DNA | | 1.0 | | | |
| Taq | | 0.2 | | | |
| | | | | | |
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| | | | | | |
| | | | | | |
| total | | 20 | | | |



Marker
1 kb plus DNA ladder (Invitrogen, Cat. 10787-026)

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

| PCR products | | product_size | product |
|--------------|----------|--------------|------------------------|
| primer_1 | primer_2 | | |
| primer 1 | primer 2 | 1.8 kb | Tg |
| primer 3 | primer 4 | 550 bp | Internal control (LC3) |
| | | | |
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Comment