

STRAIN: EM08965 (Cldn7 tm1)

PRIMER FRT 24 REV **5'-CCT TCC TCC TAC ATA GTT GGC AGT-3'**

PRIMER CLDN7 FOR **5'-TTA GCT GAA GCC ACA AAC TCG GTG -3'**

PRIMER FRT 24 REV 15pm / total volume 30µl Tm: 72°C

PRIMER CLDN7 FOR 15pm / total volume 30µl Tm: 72°C

PCR MIX

| | |
|------------------------------|-------------|
| DNTPS (2mM) | 3µl |
| PCR BUFFER 10x | 3µl |
| PRIMER FRT 24 REV (0.5pm/µl) | |
| PRIMER CLDN7 FOR (0.5pm/µl) | |
| H2O | |
| TAQ POLYMERASE (5U/µl) | 0.3µl |
| DNA | 2µl |
| TOTAL | 30µl |

PCR PROGRAM:

- 1) 95°C x 2'00''
- 2) 95°C x 0'30''
- 3) 58°C x 0'30''
- 4) 72°C x 1'00''
- 5) step 2 to step 5 x 50 repeats
- 6) 72°C x 10'00''
- 7) 4°C forever
- 8) End

MUTATION: 282 bp