



BACKBONE

Vector backbone: pRT

Backbone size(bp): 3866

Vector type: Bacterial Expression

Resistance: Kanamycin

Promoter: Anderson promoter J23104

Ribosome binding site: RNA thermosensor

Tag/ Fusion Protein: 6xHis(C terminal on backbone)

CLONING INFORMATION

Cloning method: Restriction Enzyme

5' sequencing primer: CCTCAGGAAGCCATGGCCAT

3' sequencing primer: GCTAGTTATTGCTCAGCGG

GROWTH IN BACTERIA

Bacterial Resistance(s): Kanamycin

Growth Temperature: 30°C

Induction Temperature: 42°C

Growth Strain(s): DH5alpha

Copy number: High copy

NOTE

pRT-1 is a type of temperature-inducible expression vector designed by Jilin_China. The backbone size is 3.8 kb, which is suitable for its capacity and copy number. Anderson Promoter J23104 is the promoter. RNA-based thermosensor senses the temperature with high sensitivity. After transformation, cultivate at 30 °C and induce expression at 42 °C.

>pRT-1 sequence

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