



Apr 30, 2019

Working

## Transfection of V5 labelled plasmid derived from regulatory sequences of *Blastocrithidia* sp. p57

Version 5

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[dx.doi.org/10.17504/protocols.io.2gfgbtn](https://doi.org/10.17504/protocols.io.2gfgbtn)

Protist Research to Optimize Tools in Genetics (PROT-G)

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### ABSTRACT

#### p57-V5+G418 plasmid.tif

The plasmid named as p57-V5+G418 was cloned in the backbone pBluescript II SK(+).

The p57-V5+G418 plasmid contains V5-tagged aminoglycoside 3'-phosphotransferase gene (conferring resistance to neomycin) surrounded by regulatory sequences derived from the hexokinase gene of the kinetoplastid *Blastocrithidia* sp. p57.

We electroporated linearised plasmid (digested with Swal) into *D. papillatum* cells using an established protocol (Kaur *et al.* 2018) with Amaxa X-001 program and clones were selected under Geneticin resistant marker.

### GUIDELINES

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### BEFORE START

**Construct Design:** A construct containing kinetoplastid *Blastocrithidia* sp. p57 containing V5-tagged aminoglycoside 3'-phosphotransferase gene (conferring resistance to neomycin) surrounded by regulatory sequences derived from the hexokinase gene was linearized with Swal and named as p57-V5+G418 plasmid.

### MATERIALS TEXT

 p57-V5+G418 plasmid (1).docx  p57-V5+G418 plasmid.tif

### BEFORE STARTING

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