

# pOpt\_mVenus\_Hyg

Cat. No. ALRK-03367

Lot. No. (See product label)

---

## Description

Please follow naming convention for derivative vectors using underscores between new added elements. Individual annotated vector maps are available in ApE format.

## Insert

Optimized template vector containing the mVenus (YFP variant) reporter expression cassette and an antibiotic selection marker expression cassette. Both cassettes contain the HSP70A-RBCS2-InI promoter and RBCS2 3' UTR surrounding either the reporter or the marker. Each reporter contains intron 2 of RBCS2 within its nuclear sequence. Selection marker for Chlamydomonas is hygromycin B resistance aphVII.

## Vector

pBluescript backbone. Optimized synthetic Chlamydomonas expression cassettes.

## Bacterial Host Strain

DH5 alpha

## Selectable Marker

Amp-r

---

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**