

pOpt_cCA_mCerulean3_Hyg

Cat. No. ALRK-03353

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 mCerulean3 (a CFP variant) reporter expression cassette (with N-terminal cCA secretion signal) 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