

Resource Summary Report

Generated by [dkNET](#) on Aug 24, 2026

pCAGGS-hPhyB621-mCherry-HRasCT

RRID:Addgene_100282

Type: Plasmid

Proper Citation

RRID:Addgene_100282

Plasmid Information

URL: <http://www.addgene.org/100282>

Proper Citation: RRID:Addgene_100282

Insert Name: Phytochrome B (1-621 aa)

Organism: Arabidopsis thaliana

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:29078307](#)

Vector Backbone Description: Backbone Marker:Junichi Miyazaki (Osaka University, Japan); Backbone Size:4870; Vector Backbone:pCAGGS; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Expression vector of PhyB621-mCherry-HRasCT in mammalian cells. Of note, the expression level of PIF3-mEGFP must be comparable or lower than that of PhyB. We usually co-transfect pCAGGS-PhyB621-mCherry-HRasCT and pCAGGS-PIF3-mEGFP plasmids into HeLa cells with lipofection in a 50:1 ratio. mCherry has a G229L mutation that does not affect function.

Plasmid Name: pCAGGS-hPhyB621-mCherry-HRasCT

Relevant Mutation: Human codon optimized PhyB (1-621 aa)

Record Creation Time: 20220422T221447+0000

Record Last Update: 20260815T080010+0000

Ratings and Alerts

No rating or validation information has been found for pCAGGS-hPhyB621-mCherry-HRasCT.

No alerts have been found for pCAGGS-hPhyB621-mCherry-HRasCT.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.