

Resource Summary Report

Generated by [RRID](#) on Aug 31, 2026

pBI121::chitRatioGFP:LAAQ

RRID:Addgene_240451

Type: Plasmid

Proper Citation

RRID:Addgene_240451

Plasmid Information

URL: <http://www.addgene.org/240451>

Proper Citation: RRID:Addgene_240451

Insert Name: Fusion of chitinase signal, soluble modified ratiometric pHluorin and low affinity Aequorin (D119A)

Organism: Synthetic

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:15020753](#)

Vector Backbone Description: Backbone Size:12868; Vector Backbone:pBI121; Vector Types:Bacterial Expression, Plant Expression; Bacterial Resistance:Kanamycin

Comments: See the Supplemental Document under Resource Information for more details, including annotated maps. Figure 1 of the Gao et al. (2004) paper also gives an overview of the gene cassettes.

Plasmid Name: pBI121::chitRatioGFP:LAAQ

Relevant Mutation: Ratiometric GFP (ratiometric pHluorin) (PMID 9671304); Soluble modified for expression in plants (PMIDs 9122158,9484447); Low affinity Aequorin (D119A mutant) (PMID 1530606)

Record Creation Time: 20250910T053323+0000

Record Last Update: 20260829T082502+0000

Ratings and Alerts

No rating or validation information has been found for pBI121::chitRatioGFP:LAAQ.

No alerts have been found for pBI121::chitRatioGFP:LAAQ.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.