

Resource Summary Report

Generated by [RRID](#) on Aug 23, 2026

pPHT-PIP2

RRID:Addgene_60937

Type: Plasmid

Proper Citation

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Plasmid Information

URL: <http://www.addgene.org/60937>

Proper Citation: RRID:Addgene_60937

Insert Name: PIP2 dimerization dependent sensor RA+B monomers

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:25622108](#)

Vector Backbone Description: Vector Backbone:pUB2.1; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Contains a dimerization dependent fluorescent protein, originally described by Alford, S.C., Ding, Y., Simmen, T., and Campbell, R.E. (2012). Dimerization-Dependent Green and Yellow Fluorescent Proteins. ACS Synth. Biol. 1, 569–575. Addgene NGS results identified a frameshift mutation in the HygR gene originally indicated in this plasmid. The depositing lab has confirmed that their experiments were done with transient transfection and did not make use of Hygromycin selection. For users who need a mammalian selection marker, they recommend moving the biosensor coding region from this plasmid into a different plasmid backbone.

Plasmid Name: pPHT-PIP2

Record Creation Time: 20220422T222350+0000

Record Last Update: 20260815T081737+0000

Ratings and Alerts

No rating or validation information has been found for pPHT-PIP2.

No alerts have been found for pPHT-PIP2.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.