

Resource Summary Report

Generated by [RRID](#) on Aug 19, 2026

pCph8

RRID:Addgene_22869

Type: Plasmid

Proper Citation

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Plasmid Information

URL: <http://www.addgene.org/22869>

Proper Citation: RRID:Addgene_22869

Insert Name: pCph8

Organism: Synechocystis/E.coli fusion gene

Bacterial Resistance: Chloramphenicol

Defining Citation: [PMID:16306980](#)

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:2021; Vector Backbone:pPROTet; Vector Types:Bacterial Expression, Synthetic Biology; Bacterial Resistance:Chloramphenicol

Comments: This plasmid was also used in the 2009 Cell paper: "A synthetic genetic edge detection program." PMID:19563759

Plasmid Name: pCph8

Relevant Mutation: First 517 amino acids of Cph1 and the last 229 amino acids of EnvZ. ILE TO VAL mutation at position 136 of the HK EnvZ domain.

Record Creation Time: 20220422T222102+0000

Record Last Update: 20260815T081216+0000

Ratings and Alerts

No rating or validation information has been found for pCph8.

No alerts have been found for pCph8.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.