

Resource Summary Report

Generated by [dkNET](#) on Aug 8, 2026

pBAD/His-D-iLight

RRID:Addgene_170270

Type: Plasmid

Proper Citation

RRID:Addgene_170270

Plasmid Information

URL: <http://www.addgene.org/170270>

Proper Citation: RRID:Addgene_170270

Insert Name: iLight

Organism: *Idiomarina* sp. A28L

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:34162879](#)

Vector Backbone Description: Backbone Marker:Life Technologies-Invitrogen (partially modified); Backbone Size:3999; Vector Backbone:Modified pBAD/His-B; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

Comments: To design iLight for expression in bacteria, a full-length bacterial phytochrome IsPadC from *Idiomarina* sp. A28L was used as an original template. First, diguanylyl cyclase effector in IsPadC was removed, then following mutations were introduced: I68F, H80Q, A86T, R90S S242C, E274K, R295H I360V, and L464V.

Plasmid Name: pBAD/His-D-iLight

Relevant Mutation: See Comments

Record Creation Time: 20220422T221952+0000

Record Last Update: 20260801T080801+0000

Ratings and Alerts

No rating or validation information has been found for pBAD/His-D-iLight.

No alerts have been found for pBAD/His-D-iLight.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.