

Resource Summary Report

Generated by [dkNET](#) on Sep 1, 2026

EcPhnD90.L1??AD.L297RL301R.pRSET

RRID:Addgene_33376

Type: Plasmid

Proper Citation

RRID:Addgene_33376

Plasmid Information

URL: <http://www.addgene.org/33376>

Proper Citation: RRID:Addgene_33376

Insert Name: phnD based Phosphonate Biosensor

Organism: E. coli

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:22019591](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:2900; Vector Backbone:pRSET; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

Comments: The EcPhnD-cpGFP insertion variants were constructed by overlap PCR using the synthetic EcPhnD sequence and the cpGFP146 variant from GCaMP2. Detailed sequences are provided in attached sheets. The linker regions were mutated by single-stranded template mutagenesis

Plasmid Name: EcPhnD90.L1??AD.L297RL301R.pRSET

Relevant Mutation: cpGFP146 variant from GCaMP2 inserted in place of AA89-90 of phnD, L297R in phnD.

Record Creation Time: 20220422T222145+0000

Record Last Update: 20260829T080408+0000

Ratings and Alerts

No rating or validation information has been found for EcPhnD90.L1??
AD.L297RL301R.pRSET.

No alerts have been found for EcPhnD90.L1??AD.L297RL301R.pRSET.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.