

Resource Summary Report

Generated by [RRID](#) on Aug 26, 2026

[pPdX](#)

RRID:Addgene_85084

Type: Plasmid

Proper Citation

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Plasmid Information

URL: <http://www.addgene.org/85084>

Proper Citation: RRID:Addgene_85084

Insert Name: Putidaredoxin

Organism: Synthetic

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:27781345](#)

Vector Backbone Description: Backbone Marker:Merck Millipore; Backbone Size:5333; Vector Backbone:pET-28b(+); Vector Types:Bacterial Expression; Bacterial Resistance:Kanamycin

Comments: The PdX gene was subcloned from a synthetic gene whose codons are optimized for E. coli expression.

Plasmid Name: pPdX

Relevant Mutation: changed Cysteine 73 to Serine and Cysteine 85 to Serine

Record Creation Time: 20220422T222548+0000

Record Last Update: 20260815T082126+0000

Ratings and Alerts

No rating or validation information has been found for pPdX.

No alerts have been found for pPdX.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Martin CP, et al. (2021) The Ferric-Superoxo Intermediate of the TxtE Nitration Pathway Resists Reduction, Facilitating Its Reaction with Nitric Oxide. Biochemistry, 60(31), 2436.