

Resource Summary Report

Generated by [nidm-terms](#) on Aug 9, 2026

pDawn-Ag43

RRID:Addgene_107742

Type: Plasmid

Proper Citation

RRID:Addgene_107742

Plasmid Information

URL: <http://www.addgene.org/107742>

Proper Citation: RRID:Addgene_107742

Insert Name: Ag43

Bacterial Resistance: Spectinomycin

Defining Citation: [PMID:29555779](#)

Vector Backbone Description: Backbone Marker:Andreas Moeglich Lab; Backbone Size:7293; Vector Backbone:pDawn; Vector Types:Bacterial Expression; Bacterial Resistance:Spectinomycin

Comments: Ag43 contains a G981S variant compared to the NCBI reference (WP_000820410.1); plasmid functions as described in the associated publication.

Plasmid Name: pDawn-Ag43

Relevant Mutation: removed all pstI cut sites with silent mutations, added RBS

Record Creation Time: 20220422T221522+0000

Record Last Update: 20260808T080401+0000

Ratings and Alerts

No rating or validation information has been found for pDawn-Ag43.

No alerts have been found for pDawn-Ag43.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Cui M, et al. (2021) NIR light-responsive bacteria with live bio-glue coatings for precise colonization in the gut. Cell reports, 36(11), 109690.

Yang C, et al. (2020) Upconversion optogenetic micro-nanosystem optically controls the secretion of light-responsive bacteria for systemic immunity regulation. Communications biology, 3(1), 561.