

Resource Summary Report

Generated by [PRECISE-TBI](#) on Sep 4, 2026

pDest490-OPN-b

RRID:Addgene_17591

Type: Plasmid

Proper Citation

RRID:Addgene_17591

Plasmid Information

URL: <http://www.addgene.org/17591>

Proper Citation: RRID:Addgene_17591

Insert Name: OPN-b

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:17452979](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5300; Vector Backbone:pDest490; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Addgene QC results detected a D102G mutation in the insert. This variant was present in the original sample and should not alter the function of the plasmid as described in the associated publication.

Plasmid Name: pDest490-OPN-b

Relevant Mutation: Base pairs 1–175, 217–942; See Depositor Comments

Record Creation Time: 20220422T222016+0000

Record Last Update: 20260902T042948+0000

Ratings and Alerts

No rating or validation information has been found for pDest490-OPN-b.

No alerts have been found for pDest490-OPN-b.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.