

# Resource Summary Report

Generated by [nidm-terms](#) on Sep 5, 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:** 20260905T075244+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.