

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 16, 2026

pBCN40-R4R3

RRID:Addgene_34915

Type: Plasmid

Proper Citation

RRID:Addgene_34915

Plasmid Information

URL: <http://www.addgene.org/34915>

Proper Citation: RRID:Addgene_34915

Bacterial Resistance: Chloramphenicol and Ampicillin

Defining Citation: [PMID:22290182](https://pubmed.ncbi.nlm.nih.gov/22290182/)

Vector Backbone Description: Vector Backbone:pBCN21-R4R3; Vector Types:Worm Expression; Bacterial Resistance:Chloramphenicol and Ampicillin

Comments: Dual resistance (PuroR-NeoR) vector for drug selection following biolistic bombardment in worms. This vector contains a Pmyo-2::mCherry::myo-2_3'UTR pharyngeal marker on the backbone. Worm strains generated with vector can be crossed with strains generated with other visual markers such as in pBCN41-R4R3 which has a green fluorescent pharyngeal marker. This is a Gateway 3-fragment compatible destination vector. It contains AttR4 and AttR3 sites (not AttR1 and AttR2 sites as identified automatically by the Addgene algorithm).

Plasmid Name: pBCN40-R4R3

Record Creation Time: 20220422T222148+0000

Record Last Update: 20260815T081355+0000

Ratings and Alerts

No rating or validation information has been found for pBCN40-R4R3.

No alerts have been found for pBCN40-R4R3.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Kuo CJ, et al. (2020) IGLR-2, a Leucine-Rich Repeat Domain Containing Protein, Is Required for the Host Defense in *Caenorhabditis elegans*. *Frontiers in immunology*, 11, 561337.

Berber S, et al. (2016) Homeodomain-Interacting Protein Kinase (HPK-1) regulates stress responses and ageing in *C. elegans*. *Scientific reports*, 6, 19582.

Reid A, et al. (2015) The C-terminal binding protein (CTBP-1) regulates dorsal SMD axonal morphology in *Caenorhabditis elegans*. *Neuroscience*, 311, 216.

Reid A, et al. (2014) The transcriptional repressor CTBP-1 functions in the nervous system of *Caenorhabditis elegans* to regulate lifespan. *Experimental gerontology*, 60, 153.