

Resource Summary Report

Generated by [NIF](#) on Sep 17, 2026

pEGFP Rootletin (Nigg pFL2(CW499))

RRID:Addgene_41166

Type: Plasmid

Proper Citation

RRID:Addgene_41166

Plasmid Information

URL: <http://www.addgene.org/41166>

Proper Citation: RRID:Addgene_41166

Insert Name: Rootletin

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:16203858](#)

Vector Backbone Description: Backbone Marker:Modified from Clontech; Backbone Size:4700; Vector Backbone:pCJW201 (modified pEGFP-C1); Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: The partial cDNA clones KIAA0445 (Kazusa DNA Research Institute) and IMAGE clone 6150861 (Deutsches Ressourcenzentrum fuer Genomforschung GmbH) were fused, and the complete coding sequence for rootletin was cloned into pBluescript II SK- (Addgene plasmid #41168) and subsequently subcloned into pEGFP-C1 (CLONTECH Laboratories, Inc.). All constructs were confirmed by sequencing.

Plasmid Name: pEGFP Rootletin (Nigg pFL2(CW499))

Record Creation Time: 20220422T222213+0000

Record Last Update: 20260912T092701+0000

Ratings and Alerts

No rating or validation information has been found for pEGFP Rootletin (Nigg pFL2(CW499)).

No alerts have been found for pEGFP Rootletin (Nigg pFL2(CW499)).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Vijayakumaran A, et al. (2026) 3D nanoscale reconstruction of human airway multiciliogenesis reveals cellular architecture remodeling and cilia-mitochondria link via rootlets. Cell reports, 45(7), 117714.

Sato Y, et al. (2021) Nonspecific binding of common anti-CFTR antibodies in ciliated cells of human airway epithelium. Scientific reports, 11(1), 23256.

Saade M, et al. (2020) Multimerization of Zika Virus-NS5 Causes Ciliopathy and Forces Premature Neurogenesis. Cell stem cell, 27(6), 920.

Mahen R, et al. (2018) Stable centrosomal roots disentangle to allow interphase centriole independence. PLoS biology, 16(4), e2003998.

Aeberhard L, et al. (2015) The Proteome of the Isolated Chlamydia trachomatis Containing Vacuole Reveals a Complex Trafficking Platform Enriched for Retromer Components. PLoS pathogens, 11(6), e1004883.