

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

pcDNA5-FRT-TO-NOD2-EGFP

RRID:Addgene_131207

Type: Plasmid

Proper Citation

RRID:Addgene_131207

Plasmid Information

URL: <http://www.addgene.org/131207>

Proper Citation: RRID:Addgene_131207

Insert Name: NOD2

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:33942347](#)

Vector Backbone Description: Vector Backbone:pcDNA5-FRT-TO; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: For cloning Nod2, variant 1 was used. Nod1wt was cut out and Nod2 without stop codon was integrated. To ensure that EGFP and Nod2 are in-frame, two additional bases were added at reverse primer (primer without stop codon of Nod2). Insert has three silent mutations: Codon 178: TCG instead of TCC --> Serine Codon 587: CCT instead of CCC --> Proline Codon 792: CGG instead of CGT --> Arginine

Plasmid Name: pcDNA5-FRT-TO-NOD2-EGFP

Record Creation Time: 20220422T221728+0000

Record Last Update: 20260725T073815+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA5-FRT-TO-NOD2-EGFP.

No alerts have been found for pcDNA5-FRT-TO-NOD2-EGFP.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Pei G, et al. (2021) Cellular stress promotes NOD1/2-dependent inflammation via the endogenous metabolite sphingosine-1-phosphate. The EMBO journal, 40(13), e106272.