

# Resource Summary Report

Generated by [dkNET](#) on Aug 3, 2026

## pDEST pcDNA5-FRT/TO-eGFP-Rif1

RRID:Addgene\_52506

Type: Plasmid

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### Proper Citation

RRID:Addgene\_52506

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### Plasmid Information

**URL:** <http://www.addgene.org/52506>

**Proper Citation:** RRID:Addgene\_52506

**Insert Name:** RIF1

**Organism:** Homo sapiens

**Bacterial Resistance:** Ampicillin

**Defining Citation:** [PMID:23333306](#)

**Vector Backbone Description:** Backbone Size:7510; Vector Backbone:pDEST pcDNA5/FRT/TO-eGFP; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

**Comments:** The Rif1 insert contains G836S, V1362M, N2021Y, L2392V variants compared to the NCBI reference for isoform 2 [NM\_001177663.1] but matches the NCBI protein sequence AAV51401.1.

**Plasmid Name:** pDEST pcDNA5-FRT/TO-eGFP-Rif1

**Relevant Mutation:** siRNA resistant sequence: ATAGTAC

**Record Creation Time:** 20220422T222308+0000

**Record Last Update:** 20260801T081435+0000

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### Ratings and Alerts

No rating or validation information has been found for pDEST pcDNA5-FRT/TO-eGFP-Rif1.

No alerts have been found for pDEST pcDNA5-FRT/TO-eGFP-Rif1.

## Data and Source Information

**Source:** [Addgene](#)

## Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Kong N, et al. (2023) RIF1 suppresses the formation of single-stranded ultrafine anaphase bridges via protein phosphatase 1. Cell reports, 42(2), 112032.

Moiseeva TN, et al. (2019) An ATR and CHK1 kinase signaling mechanism that limits origin firing during unperturbed DNA replication. Proceedings of the National Academy of Sciences of the United States of America, 116(27), 13374.

Tomida J, et al. (2018) FAM35A associates with REV7 and modulates DNA??damage responses of normal and BRCA1-defective cells. The EMBO journal, 37(12).