

Resource Summary Report

Generated by [NIF](#) on Sep 14, 2026

pNLS-iRFP670

RRID:Addgene_45466

Type: Plasmid

Proper Citation

RRID:Addgene_45466

Plasmid Information

URL: <http://www.addgene.org/45466>

Proper Citation: RRID:Addgene_45466

Insert Name: iRFP670

Organism: Rhodopseudomonas palustris

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:23770755](#)

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:4055; Vector Backbone:pN1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Plasmid Name: pNLS-iRFP670

Relevant Mutation: T2A, S45T, V116I, D124E, M170L, K180M, D202L, I203V, I219V, R233H, V251I, V254C, Y258F, A283I, F307L relative to RpBphP6

Record Creation Time: 20220422T222235+0000

Record Last Update: 20260912T092738+0000

Ratings and Alerts

No rating or validation information has been found for pNLS-iRFP670.

No alerts have been found for pNLS-iRFP670.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Antwi EB, et al. (2023) Requirements for mammalian promoters to decode transcription factor dynamics. *Nucleic acids research*, 51(9), 4674.

Gr??nloh MLB, et al. (2023) Primary adhered neutrophils increase JNK1-MARCKSL1-mediated filopodia to promote secondary neutrophil transmigration. *iScience*, 26(8), 107406.

Couturier L, et al. (2022) HaloTag-based reporters for sparse labeling and cell tracking. *Fly*, 16(1), 360.

Yang JM, et al. (2021) Deciphering cell signaling networks with massively multiplexed biosensor barcoding. *Cell*, 184(25), 6193.

Yau KC, et al. (2020) RanBP1 controls the Ran pathway in mammalian cells through regulation of mitotic RCC1 dynamics. *Cell cycle (Georgetown, Tex.)*, 19(15), 1899.

Reichmann J, et al. (2018) Dual-spindle formation in zygotes keeps parental genomes apart in early mammalian embryos. *Science (New York, N.Y.)*, 361(6398), 189.

Vadnais C, et al. (2018) GFI1 facilitates efficient DNA repair by regulating PRMT1 dependent methylation of MRE11 and 53BP1. *Nature communications*, 9(1), 1418.

Swaminathan S, et al. (2015) Mechanisms of clonal evolution in childhood acute lymphoblastic leukemia. *Nature immunology*, 16(7), 766.