Resource Summary Report

Generated by RRID on Aug 26, 2026

pDonor-tBFP-NLS-Neo (Universal)

RRID:Addgene_80767
Type: Plasmid

Proper Citation

RRID:Addgene_80767

Plasmid Information

URL: http://www.addgene.org/80767

Proper Citation: RRID:Addgene_80767

Insert Name: PITCh-gRNA#3 targeting sequence (GCATCGTACGCGTACGTGTT)

Organism: Synthetic

Bacterial Resistance: Kanamycin

Defining Citation: PMID:28179459

Vector Backbone Description: Backbone Marker:Kazuhisa Nakayama Lab. (Addgene plasmid #80766); Backbone Size:4761; Vector Backbone:pDonor-tBFP-NLS-Neo; Vector Types:Mammalian Expression, CRISPR; Bacterial Resistance:Kanamycin

Plasmid Name: pDonor-tBFP-NLS-Neo (Universal)

Record Creation Time: 20220422T222527+0000

Record Last Update: 20260815T082041+0000

Ratings and Alerts

No rating or validation information has been found for pDonor-tBFP-NLS-Neo (Universal).

No alerts have been found for pDonor-tBFP-NLS-Neo (Universal).

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 19 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Liu AZ, et al. (2025) The scaffold protein PRR14L links the PP2A-TACC3 axis to mitotic fidelity and sensitivity to MPS1 inhibition. bioRxiv : the preprint server for biology.

Accogli A, et al. (2024) Variants in the WDR44 WD40-repeat domain cause a spectrum of ciliopathy by impairing ciliogenesis initiation. Nature communications, 15(1), 365.

Ninomiya K, et al. (2024) Calcium influx promotes PLEKHG4B localization to cell-cell junctions and regulates the integrity of junctional actin filaments. Molecular biology of the cell, 35(2), ar24.

Hiyamizu S, et al. (2023) Dynein-2-driven intraciliary retrograde trafficking indirectly requires multiple interactions of IFT54 in the IFT-B complex with the dynein-2 complex. Biology open, 12(7).

Takasugi M, et al. (2023) CD44 correlates with longevity and enhances basal ATF6 activity and ER stress resistance. Cell reports, 42(9), 113130.

Satoda Y, et al. (2022) BROMI/TBC1D32 together with CCRK/CDK20 and FAM149B1/JBTS36 contributes to intraflagellar transport turnaround involving ICK/CILK1. Molecular biology of the cell, 33(9), ar79.

Kawamura A, et al. (2022) DYRK2 maintains genome stability via neddylation of cullins in response to DNA damage. Journal of cell science, 135(11).

Ishida Y, et al. (2022) Molecular basis underlying the ciliary defects caused by IFT52 variations found in skeletal ciliopathies. Molecular biology of the cell, 33(9), ar83.

Qiu H, et al. (2022) Combinations of deletion and missense variations of the dynein-2 DYNC2LI1 subunit found in skeletal ciliopathies cause ciliary defects. Scientific reports, 12(1), 31.

Fujisawa S, et al. (2021) ARL3 and ARL13B GTPases participate in distinct steps of INPP5E targeting to the ciliary membrane. Biology open, 10(9).

Noguchi T, et al. (2021) CCRK/CDK20 regulates ciliary retrograde protein trafficking via interacting with BROMI/TBC1D32. PloS one, 16(10), e0258497.

Qiu H, et al. (2021) Interaction of INPP5E with ARL13B is essential for its ciliary membrane retention but dispensable for its ciliary entry. Biology open, 10(1).

Okazaki M, et al. (2020) Formation of the B9-domain protein complex MKS1-B9D2-B9D1 is essential as a diffusion barrier for ciliary membrane proteins. Molecular biology of the cell, 31(20), 2259.

Tsurumi Y, et al. (2019) Interactions of the dynein-2 intermediate chain WDR34 with the light chains are required for ciliary retrograde protein trafficking. Molecular biology of the cell, 30(5), 658.

Nozaki S, et al. (2019) Requirement of IFT-B-BBSome complex interaction in export of GPR161 from cilia. Biology open, 8(9).

Hamada Y, et al. (2018) Interaction of WDR60 intermediate chain with TCTEX1D2 light chain of the dynein-2 complex is crucial for ciliary protein trafficking. Molecular biology of the cell, 29(13), 1628.

Nozaki S, et al. (2018) BBS1 is involved in retrograde trafficking of ciliary GPCRs in the context of the BBSome complex. PloS one, 13(3), e0195005.

Takahara M, et al. (2018) Ciliopathy-associated mutations of IFT122 impair ciliary protein trafficking but not ciliogenesis. Human molecular genetics, 27(3), 516.

Takei R, et al. (2018) Robust interaction of IFT70 with IFT52-IFT88 in the IFT-B complex is required for ciliogenesis. Biology open, 7(5).