Resource Summary Report

Generated by RRID on Aug 21, 2026

RCIscript-GoldyTALEN

RRID:Addgene_38142
Type: Plasmid

Proper Citation

RRID:Addgene_38142

Plasmid Information

URL: http://www.addgene.org/38142

Proper Citation: RRID:Addgene_38142

Insert Name: GoldyTALEN

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: PMID:23027955

Vector Backbone Description: Backbone Size:2900; Vector Backbone:pBSK; Vector Types:mRNA transcription vector; Bacterial Resistance:Ampicillin

Comments: Please note that this plasmid can be prone to recombination in bacteria. We recommend storing and propagating the construct in Stbl3 cells and screen 4-6 colonies by sequencing with TAL_F1 (ttggcgtcggcaaacagtgg) primer. The F1 origin feature in the full plasmid sequence is in reverse compliment orientation. Please view Addgene's quality control sequence for the most accurate information. The flipped orientation does not affect the SacI site necessary to linearize the plasmid. For further reference, this plasmid was also used in the Bedell et al Nature 2012 publication (PMID 23000899). For more information on Carlson TALEN Add-On Plasmids please refer to: http://www.addgene.org/TALeffector/goldengate/add-ons/#carlson

Plasmid Name: RCIscript-GoldyTALEN

Relevant Mutation: Truncate at N and C terminous

Record Creation Time: 20220422T222201+0000

Record Last Update: 20260815T081419+0000

Ratings and Alerts

No rating or validation information has been found for RCIscript-GoldyTALEN.

No alerts have been found for RCIscript-GoldyTALEN.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 18 mentions in open access literature.

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

Sako K, et al. (2025) Cells adapt to extracellular acidic pH through TM9SF3-mediated PI(4,5)P2 flop. Nature communications, 16(1), 8852.

Berquez M, et al. (2023) Lysosomal cystine export regulates mTORC1 signaling to guide kidney epithelial cell fate specialization. Nature communications, 14(1), 3994.

Holland LZ, et al. (2021) Laboratory Culture and Mutagenesis of Amphioxus (Branchiostoma floridae). Methods in molecular biology (Clifton, N.J.), 2219, 1.

Zhao L, et al. (2019) SLC39A6/ZIP6 is essential for zinc homeostasis and T-cell development in zebrafish. Biochemical and biophysical research communications, 511(4), 896.

Festa BP, et al. (2018) Impaired autophagy bridges lysosomal storage disease and epithelial dysfunction in the kidney. Nature communications, 9(1), 161.

Ignatius MS, et al. (2018) tp53 deficiency causes a wide tumor spectrum and increases embryonal rhabdomyosarcoma metastasis in zebrafish. eLife, 7.

Gentsch GE, et al. (2018) Innate Immune Response and Off-Target Mis-splicing Are Common Morpholino-Induced Side Effects in Xenopus. Developmental cell, 44(5), 597.

Veil M, et al. (2018) Maternal Nanog is required for zebrafish embryo architecture and for cell viability during gastrulation. Development (Cambridge, England), 145(1).

Hanssen LLP, et al. (2017) Tissue-specific CTCF-cohesin-mediated chromatin architecture delimits enhancer interactions and function in vivo. Nature cell biology, 19(8), 952.

Ma ACH, et al. (2017) A Zebrafish Model for Evaluating the Function of Human Leukemic Gene IDH1 and Its Mutation. Methods in molecular biology (Clifton, N.J.), 1633, 193.

Nong QD, et al. (2017) Mapping the expression of the sex determining factor Doublesex1 in Daphnia magna using a knock-in reporter. Scientific reports, 7(1), 13521.

Ma AC, et al. (2016) FusX: A Rapid One-Step Transcription Activator-Like Effector Assembly System for Genome Science. Human gene therapy, 27(6), 451.

Ma AC, et al. (2016) TALEN-Mediated Mutagenesis and Genome Editing. Methods in molecular biology (Clifton, N.J.), 1451, 17.

Strilic B, et al. (2016) Tumour-cell-induced endothelial cell necroptosis via death receptor 6 promotes metastasis. Nature, 536(7615), 215.

Nakanishi T, et al. (2015) TALEN-mediated homologous recombination in Daphnia magna. Scientific reports, 5, 18312.

Naitou A, et al. (2015) Heterodimeric TALENs induce targeted heritable mutations in the crustacean Daphnia magna. Biology open, 4(3), 364.

Proudfoot C, et al. (2015) Genome edited sheep and cattle. Transgenic research, 24(1), 147.

Carlson DF, et al. (2013) Editing livestock genomes with site-specific nucleases. Reproduction, fertility, and development, 26(1), 74.