

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 10, 2026

4XCLEAR-luciferase reporter

RRID:Addgene_66800

Type: Plasmid

Proper Citation

RRID:Addgene_66800

Plasmid Information

URL: <http://www.addgene.org/66800>

Proper Citation: RRID:Addgene_66800

Insert Name: 4XCLEAR

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:25108912](#)

Vector Backbone Description: Vector Backbone:pGL3; Vector Types:Luciferase;
Bacterial Resistance:Ampicillin

Plasmid Name: 4XCLEAR-luciferase reporter

Record Creation Time: 20220422T222419+0000

Record Last Update: 20260808T082017+0000

Ratings and Alerts

No rating or validation information has been found for 4XCLEAR-luciferase reporter.

No alerts have been found for 4XCLEAR-luciferase reporter.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 13 mentions in open access literature.

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

Soleimani M, et al. (2025) Transcription factor EB (TFEB) activity increases resistance of TNBC stem cells to metabolic stress. Life science alliance, 8(3).

Tao J, et al. (2025) Sodium butyrate ameliorates renal tubular lipid accumulation through a protein phosphatase 2A/transcription factor EB axis in diabetic nephropathy. British journal of pharmacology.

Garcia-Sanchez JA, et al. (2025) Evolutionary conserved regulation of TFEB stability by the E3 ubiquitin ligase WWP2 modulates response to stress in vivo. iScience, 28(2), 111838.

Brunialti E, et al. (2024) Design and validation of a reporter mouse to study the dynamic regulation of TFEB and TFE3 activity through in vivo imaging techniques. Autophagy, 20(8), 1879.

Remy D, et al. (2024) TFEB triggers a matrix degradation and invasion program in triple-negative breast cancer cells upon mTORC1 repression. Developmental cell.

Yang J, et al. (2023) A prion-like domain of TFEB mediates the co-aggregation of TFEB and mHTT. Autophagy, 19(2), 544.

Tejwani L, et al. (2023) Reduction of nemo-like kinase increases lysosome biogenesis and ameliorates TDP-43-related neurodegeneration. The Journal of clinical investigation, 133(16).

Mohamud Y, et al. (2021) Coxsackievirus B3 targets TFEB to disrupt lysosomal function. Autophagy, 17(12), 3924.

El-Houjeiri L, et al. (2021) Folliculin impairs breast tumor growth by repressing TFE3-dependent induction of the Warburg effect and angiogenesis. The Journal of clinical investigation, 131(22).

Paquette M, et al. (2021) AMPK-dependent phosphorylation is required for transcriptional activation of TFEB and TFE3. Autophagy, 17(12), 3957.

Binder JL, et al. (2020) Optical induction of autophagy via Transcription factor EB (TFEB) reduces pathological tau in neurons. PloS one, 15(3), e0230026.

Zhang X, et al. (2019) Rapamycin directly activates lysosomal mucolipin TRP channels independent of mTOR. PLoS biology, 17(5), e3000252.

Segala G, et al. (2019) Vps11 and Vps18 of Vps-C membrane traffic complexes are E3 ubiquitin ligases and fine-tune signalling. Nature communications, 10(1), 1833.