

Resource Summary Report

Generated by [RRID](#) on Aug 27, 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: 20260826T042504+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 [RRID](#) .

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.

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

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.

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.