

Resource Summary Report

Generated by [RRID](#) on Sep 2, 2026

[pEGFP-hGal3](#)

RRID:Addgene_73080

Type: Plasmid

Proper Citation

RRID:Addgene_73080

Plasmid Information

URL: <http://www.addgene.org/73080>

Proper Citation: RRID:Addgene_73080

Insert Name: Galectin-3

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:23921551](#)

Vector Backbone Description: Backbone Size:4700; Vector Backbone:pEGFP-C1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: This plasmid is used to detect ruptured lysosomal membrane by lysosomotropic agents or endosomal membrane accompanied with invading bacteria.

Plasmid Name: pEGFP-hGal3

Record Creation Time: 20220422T222448+0000

Record Last Update: 20260902T050109+0000

Ratings and Alerts

No rating or validation information has been found for pEGFP-hGal3.

No alerts have been found for pEGFP-hGal3.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 34 mentions in open access literature.

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

Li Z, et al. (2026) A Wireless 3D Magneto-Mechanical Stimulation Platform Drives In Situ Chondrogenic Commitment of Endogenous MSCs. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), e75958.

Boucheham A, et al. (2025) Galectin-3 Mediated Endocytosis of the Orphan G-Protein-Coupled Receptor GPRC5A. *Cells*, 14(19).

Gao Y, et al. (2025) Intraneuronal A β accumulation causes tau hyperphosphorylation via endolysosomal leakage. *Alzheimer's & dementia : the journal of the Alzheimer's Association*, 21(3), e70091.

Rezagholizadeh N, et al. (2025) TLR7 Mediates HIV-1 Tat-Induced Cellular Senescence in Human Astrocytes. *Aging cell*, 24(7), e70086.

Jing Y, et al. (2025) Lysine-arginine imbalance overcomes therapeutic tolerance governed by the transcription factor E3-lysosome axis in glioblastoma. *Nature communications*, 16(1), 2876.

Rezagholizadeh N, et al. (2025) SLC38A9 is directly involved in Tat-induced endolysosome dysfunction and senescence in astrocytes. *Life science alliance*, 8(7).

Ritacco DA, et al. (2025) The antibacterial factor APOL3 couples lysosomal damage to mitochondrial DNA efflux and type I IFN induction. *bioRxiv : the preprint server for biology*.

Yoshimura SI, et al. (2025) Oxr1 and Ncoa7 regulate V-ATPase to achieve optimal pH for glycosylation within the Golgi apparatus and trans-Golgi network. *Proceedings of the National Academy of Sciences of the United States of America*, 122(22), e2505975122.

Torrino S, et al. (2024) Mechano-dependent sorbitol accumulation supports biomolecular condensate. *Cell*.

Corkery DP, et al. (2023) An ATG12-ATG5-TECPR1 E3-like complex regulates unconventional LC3 lipidation at damaged lysosomes. *EMBO reports*, 24(9), e56841.

Soha SA, et al. (2023) Improved imaging and preservation of lysosome dynamics using silver nanoparticle-enhanced fluorescence. *Molecular biology of the cell*, 34(10), ar96.

Bhardwaj M, et al. (2023) Lysosomal lipid peroxidation regulates tumor immunity. *The Journal of clinical investigation*, 133(8).

Torrino S, et al. (2023) Mechano-dependent sorbitol accumulation supports biomolecular condensate. *bioRxiv : the preprint server for biology*.

Jeethy Ram T, et al. (2023) Co-expression of galectin-3 and vimentin in triple negative breast cancer cells promotes tumor progression, metastasis and survival. *Tumour biology*

: the journal of the International Society for Oncodevelopmental Biology and Medicine, 45(1), 31.

Bandyopadhyay U, et al. (2022) Leucine retention in lysosomes is regulated by starvation. Proceedings of the National Academy of Sciences of the United States of America, 119(6).

Jing Y, et al. (2022) Therapeutic advantage of targeting lysosomal membrane integrity supported by lysophagy in malignant glioma. Cancer science, 113(8), 2716.

Rudolph M, et al. (2022) Live imaging of Yersinia translocon formation and immune recognition in host cells. PLoS pathogens, 18(5), e1010251.

Mathew MP, et al. (2022) Nutrient-responsive O-GlcNAcylation dynamically modulates the secretion of glycan-binding protein galectin 3. The Journal of biological chemistry, 298(3), 101743.

Bikorimana JP, et al. (2022) Promoting antigen escape from dendritic cell endosomes potentiates anti-tumoral immunity. Cell reports. Medicine, 3(3), 100534.

Kravi? B, et al. (2022) Ubiquitin profiling of lysophagy identifies actin stabilizer CNN2 as a target of VCP/p97 and uncovers a link to HSPB1. Molecular cell, 82(14), 2633.