

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.

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

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).

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.

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

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.