

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 9, 2026

EGFP-GalT

RRID:Addgene_11929

Type: Plasmid

Proper Citation

RRID:Addgene_11929

Plasmid Information

URL: <http://www.addgene.org/11929>

Proper Citation: RRID:Addgene_11929

Insert Name: GalT

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:8670420](#)

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:4733; Vector Backbone:pEGFP-N1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: The EGFP (Clontech Laboratories, Inc., Palo, Alto, CA) contains a valine immediately after the start codon that is not found in the wild type sequence. However, to avoid confusion with previously published work on GFP mutants, the wild type residue numbers are used. This construct contains amino acids 1-60 of the human galactosyltransferase. The original article describes cloning into pcDNA1 or pCDLSPa. A subsequent paper Zaal et. al. Cell 99:589-601 (1999) describes subcloning into the parent vector used here.

Plasmid Name: EGFP-GalT

Relevant Mutation: Amino acids 1-60 of the human galactosyltransferase. EGFP has the A206K mutation to disrupt self-association.

Record Creation Time: 20220422T221624+0000

Record Last Update: 20260808T080553+0000

Ratings and Alerts

No rating or validation information has been found for EGFP-GalT.

No alerts have been found for EGFP-GalT.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 20 mentions in open access literature.

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

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.

Merold V, et al. (2025) Structural basis for OAS2 regulation and its antiviral function. Molecular cell, 85(11), 2176.

Ugur B, et al. (2024) VPS13B is localized at the interface between Golgi cisternae and is a functional partner of FAM177A1. The Journal of cell biology, 223(12).

Spruit CM, et al. (2023) Contemporary human H3N2 influenza A viruses require a low threshold of suitable glycan receptors for efficient infection. Glycobiology, 33(10), 784.

Ugur B, et al. (2023) VPS13B is localized at the cis-trans Golgi complex interface and is a functional partner of FAM177A1. bioRxiv : the preprint server for biology.

Nakagawa N, et al. (2023) Golgi polarity shift instructs dendritic refinement in the neonatal cortex by mediating NMDA receptor signaling. Cell reports, 42(8), 112843.

Fasano G, et al. (2022) Dominant ARF3 variants disrupt Golgi integrity and cause a neurodevelopmental disorder recapitulated in zebrafish. Nature communications, 13(1), 6841.

Gupta K, et al. (2022) Coordinated activities of Myosin Vb isoforms and mTOR signaling regulate epithelial cell morphology during development. Development (Cambridge, England), 149(6).

Devireddy S, et al. (2022) Efficient progranulin exit from the ER requires its interaction with prosaposin, a Surf4 cargo. The Journal of cell biology, 221(2).

De Niz M, et al. (2021) Hijacking of the host cell Golgi by Plasmodium berghei liver stage parasites. Journal of cell science, 134(10).

Hao H, et al. (2020) Golgi-associated microtubules are fast cargo tracks and required for persistent cell migration. EMBO reports, 21(3), e48385.

- Lyoo H, et al. (2019) ACBD3 Is an Essential Pan-enterovirus Host Factor That Mediates the Interaction between Viral 3A Protein and Cellular Protein PI4KB. *mBio*, 10(1).
- Horova V, et al. (2019) Convergent evolution in the mechanisms of ACBD3 recruitment to picornavirus replication sites. *PLoS pathogens*, 15(8), e1007962.
- Copeland SJ, et al. (2018) Actin-dependent regulation of cilia length by the inverted formin FHDC1. *Molecular biology of the cell*, 29(13), 1611.
- Wu Y, et al. (2017) Reflective imaging improves spatiotemporal resolution and collection efficiency in light sheet microscopy. *Nature communications*, 8(1), 1452.
- Mazo G, et al. (2016) Spatial Control of Primary Ciliogenesis by Subdistal Appendages Alters Sensation-Associated Properties of Cilia. *Developmental cell*, 39(4), 424.
- Kokes M, et al. (2015) Differential Translocation of Host Cellular Materials into the *Chlamydia trachomatis* Inclusion Lumen during Chemical Fixation. *PloS one*, 10(10), e0139153.
- Kimura T, et al. (2014) Evidence that dendritic mitochondria negatively regulate dendritic branching in pyramidal neurons in the neocortex. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 34(20), 6938.
- Kim KH, et al. (2014) Intracellular membrane association of the *Aplysia* cAMP phosphodiesterase long and short forms via different targeting mechanisms. *The Journal of biological chemistry*, 289(37), 25797.
- Koivusalo M, et al. (2011) In situ measurement of the electrical potential across the lysosomal membrane using FRET. *Traffic (Copenhagen, Denmark)*, 12(8), 972.