

Resource Summary Report

Generated by [NIF](#) on Jul 31, 2026

Venus-GalT

RRID:Addgene_11931

Type: Plasmid

Proper Citation

RRID:Addgene_11931

Plasmid Information

URL: <http://www.addgene.org/11931>

Proper Citation: RRID:Addgene_11931

Insert Name: GalT

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:8670420](#)

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

Comments: Venus was developed by Miyawaki and colleagues. The reference is Nagai, T., Ibata, K., Park, E. S., Kubota, M., Mikoshiba, K., and Miyawaki, A. (2002) Nat Biotechnol 20, 87-90. The EYFP (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 pCDL5Ra. A subsequent paper Zaal et. al. Cell 99:589-601 (1999) describes subcloning into the parent vector used here.

Plasmid Name: Venus-GalT

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

Record Creation Time: 20220422T221624+0000

Record Last Update: 20260725T073624+0000

Ratings and Alerts

No rating or validation information has been found for Venus-GaIT.

No alerts have been found for Venus-GaIT.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Gogia S, et al. (2015) Detection of Plasma Protease Activity Using Microsphere-Cytometry Assays with E. coli Derived Substrates: VWF Proteolysis by ADAMTS13. PloS one, 10(5), e0126556.

David JP, et al. (2013) Trafficking of the IKs -complex in MDCK cells: site of subunit assembly and determinants of polarized localization. Traffic (Copenhagen, Denmark), 14(4), 399.

Simpson-Holley M, et al. (2011) Formation of antiviral cytoplasmic granules during orthopoxvirus infection. Journal of virology, 85(4), 1581.

Dower K, et al. (2011) Development of Vaccinia reporter viruses for rapid, high content analysis of viral function at all stages of gene expression. Antiviral research, 91(1), 72.

Srinivasan R, et al. (2011) Nicotine up-regulates alpha4beta2 nicotinic receptors and ER exit sites via stoichiometry-dependent chaperoning. The Journal of general physiology, 137(1), 59.

Dayananda KM, et al. (2011) Escherichia coli-derived von Willebrand factor-A2 domain fluorescence/Förster resonance energy transfer proteins that quantify ADAMTS13 activity. Analytical biochemistry, 410(2), 206.