

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

Cerulean-GalT

RRID:Addgene_11930

Type: Plasmid

Proper Citation

RRID:Addgene_11930

Plasmid Information

URL: <http://www.addgene.org/11930>

Proper Citation: RRID:Addgene_11930

Insert Name: GalT

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:8670420](#)

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

Comments: Cerulean was developed by Piston lab. Reference is Rizzo, M. A., Springer, G. H., Granada, B., and Piston, D. W. (2004) Nat Biotechnol 22, 445-9. 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 pCDL5Ra. A subsequent paper Zaal et. al. Cell 99:589-601 (1999) describes subcloning into the parent vector used here.

Plasmid Name: Cerulean-GalT

Relevant Mutation: Amino acids 1-60 of the human galactosyltransferase. Cerulean has mutations described by Rizzo, M. A., Springer, G. H., Granada, B., and Piston, D. W. (2004) Nat Biotechnol 22, 445-9.

Record Creation Time: 20220422T221624+0000

Record Last Update: 20260725T073623+0000

Ratings and Alerts

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

No alerts have been found for Cerulean-GaIT.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Ronzier E, et al. (2025) TMED9 coordinates the clearance of misfolded GPI-anchored proteins out of the ER and into the Golgi. PLoS biology, 23(4), e3003084.

Cheatham AM, et al. (2023) Competition for calnexin binding regulates secretion and turnover of misfolded GPI-anchored proteins. The Journal of cell biology, 222(10).

Hsu TS, et al. (2018) c-FLIP is a target of the E3 ligase deltex1 in gastric cancer. Cell death & disease, 9(2), 135.

Sun HS, et al. (2016) Chlamydia trachomatis Inclusion Disrupts Host Cell Cytokinesis to Enhance Its Growth in Multinuclear Cells. Journal of cellular biochemistry, 117(1), 132.

Condon KH, et al. (2013) The Angelman syndrome protein Ube3a/E6AP is required for Golgi acidification and surface protein sialylation. The Journal of neuroscience : the official journal of the Society for Neuroscience, 33(9), 3799.