

Resource Summary Report

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

pAc-GFPC1-Sec61beta

RRID:Addgene_15108

Type: Plasmid

Proper Citation

RRID:Addgene_15108

Plasmid Information

URL: <http://www.addgene.org/15108>

Proper Citation: RRID:Addgene_15108

Insert Name: Sec61beta

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:4700; Vector Backbone:pAcGFP1-C1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: Voeltz GK, et al. Cell, 2006.

Plasmid Name: pAc-GFPC1-Sec61beta

Record Creation Time: 20220422T221831+0000

Record Last Update: 20260902T042313+0000

Ratings and Alerts

No rating or validation information has been found for pAc-GFPC1-Sec61beta.

No alerts have been found for pAc-GFPC1-Sec61beta.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 47 mentions in open access literature.

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

Sánchez-Álvarez M, et al. (2025) PERK-dependent reciprocal crosstalk between ER and non-centrosomal microtubules coordinates ER architecture and cell shape. *Cell reports*, 44(5), 115590.

Kichuk T, et al. (2024) Using MitER for 3D analysis of mitochondrial morphology and ER contacts. *Cell reports methods*, 4(1), 100692.

Lu K, et al. (2024) Near-infrared PAINT localization microscopy via chromophore replenishment of phytochrome-derived fluorescent tag. *Communications biology*, 7(1), 473.

Hofstadter WA, et al. (2024) Infection-induced peripheral mitochondria fission drives ER encapsulations and inter-mitochondria contacts that rescue bioenergetics. *Nature communications*, 15(1), 7352.

Bertino F, et al. (2024) Dysregulation of FLVCR1a-dependent mitochondrial calcium handling in neural progenitors causes congenital hydrocephalus. *Cell reports. Medicine*, 5(7), 101647.

Doyle CP, et al. (2024) OSBP is a Major Determinant of Golgi Phosphatidylinositol 4-Phosphate Homeostasis. *Contact (Thousand Oaks (Ventura County, Calif.))*, 7, 25152564241232196.

Koppers M, et al. (2024) Axonal endoplasmic reticulum tubules control local translation via P180/RBP1-mediated ribosome interactions. *Developmental cell*, 59(16), 2053.

Bretou M, et al. (2024) Accumulation of APP C-terminal fragments causes endolysosomal dysfunction through the dysregulation of late endosome to lysosome-ER contact sites. *Developmental cell*, 59(12), 1571.

Cook KC, et al. (2022) Restructured membrane contacts rewire organelles for human cytomegalovirus infection. *Nature communications*, 13(1), 4720.

Laporte MH, et al. (2022) Visualizing the native cellular organization by coupling cryofixation with expansion microscopy (Cryo-ExM). *Nature methods*, 19(2), 216.

Damstra HGJ, et al. (2022) Visualizing cellular and tissue ultrastructure using Ten-fold Robust Expansion Microscopy (TReX). *eLife*, 11.

Ferrandiz N, et al. (2022) Endomembranes promote chromosome missegregation by ensheathing misaligned chromosomes. *The Journal of cell biology*, 221(6).

Parlakgöl G, et al. (2022) Regulation of liver subcellular architecture controls metabolic homeostasis. *Nature*, 603(7902), 736.

Küey C, et al. (2022) Recruitment of clathrin to intracellular membranes is sufficient for vesicle formation. *eLife*, 11.

Casellas-Díaz S, et al. (2021) Mfn2 localization in the ER is necessary for its bioenergetic function and neuritic development. *EMBO reports*, 22(9), e51954.

Smoli? T, et al. (2021) Astrocytes in stress accumulate lipid droplets. *Glia*, 69(6), 1540.

Pila-Castellanos I, et al. (2021) Mitochondrial morphodynamics alteration induced by influenza virus infection as a new antiviral strategy. *PLoS pathogens*, 17(2), e1009340.

Lim Y, et al. (2021) ?2-adrenergic receptor regulates ER-mitochondria contacts. *Scientific reports*, 11(1), 21477.

Bin Imtiaz MK, et al. (2021) Declining lamin B1 expression mediates age-dependent decreases of hippocampal stem cell activity. *Cell stem cell*, 28(5), 967.

Cherubini M, et al. (2020) Mitochondrial fission in Huntington's disease mouse striatum disrupts ER-mitochondria contacts leading to disturbances in Ca²⁺ efflux and Reactive Oxygen Species (ROS) homeostasis. *Neurobiology of disease*, 136, 104741.