

Resource Summary Report

Generated by [RRID](#) on Aug 20, 2026

mCh-Sec61 beta

RRID:Addgene_49155

Type: Plasmid

Proper Citation

RRID:Addgene_49155

Plasmid Information

URL: <http://www.addgene.org/49155>

Proper Citation: RRID:Addgene_49155

Insert Name: Sec61 beta

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:20955502](#)

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

Comments: *Note that the AcGFP1 is still present in this plasmid, but it is not expressed.

Plasmid Name: mCh-Sec61 beta

Record Creation Time: 20220422T222253+0000

Record Last Update: 20260815T081556+0000

Ratings and Alerts

No rating or validation information has been found for mCh-Sec61 beta.

No alerts have been found for mCh-Sec61 beta.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 64 mentions in open access literature.

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

Maekawa Y, et al. (2026) Bleb expansion requires transient membrane invaginations that sequester curvature-preferring proteins. *Proceedings of the National Academy of Sciences of the United States of America*, 123(21), e2534871123.

Chopra U, et al. (2025) Endoplasmic reticulum facilitates the coordinated division of Salmonella-containing vacuoles. *mBio*, 16(5), e0011425.

Shiiba I, et al. (2025) ER-mitochondria contacts mediate lipid radical transfer via RMDN3/PTPIP51 phosphorylation to reduce mitochondrial oxidative stress. *Nature communications*, 16(1), 1508.

Santinho A, et al. (2024) Giant organelle vesicles to uncover intracellular membrane mechanics and plasticity. *Nature communications*, 15(1), 3767.

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.

Somborac T, et al. (2023) The subset of peroxisomal tail-anchored proteins do not reach peroxisomes via ER, instead mitochondria can be involved. *PloS one*, 18(12), e0295047.

Fan Y, et al. (2023) Differential proteomics argues against a general role for CD9, CD81 or CD63 in the sorting of proteins into extracellular vesicles. *Journal of extracellular vesicles*, 12(8), e12352.

Mustafá ER, et al. (2023) Constitutive activity of the dopamine (D5) receptor, highly expressed in CA1 hippocampal neurons, selectively reduces CaV 3.2 and CaV 3.3 currents. *British journal of pharmacology*, 180(9), 1210.

Cho E, et al. (2023) Ratiometric measurement of MAM Ca²⁺ dynamics using a modified CalfluxVTN. *Nature communications*, 14(1), 3586.

Acevedo-Sánchez Y, et al. (2023) An obligate intracellular bacterial pathogen forms a direct, interkingdom membrane contact site. *bioRxiv : the preprint server for biology*.

Fuentes LA, et al. (2023) The nanoscale organization of reticulon 4 shapes local endoplasmic reticulum structure in situ. *The Journal of cell biology*, 222(10).

Smith MR, et al. (2023) A Turn-On Fluorescent Amino Acid Sensor Reveals Chloroquine's Effect on Cellular Amino Acids via Inhibiting Cathepsin L. *ACS central science*, 9(5), 980.

Taniguchi S, et al. (2022) The Ubiquitin Ligase RNF34 Participates in the Peripheral Quality Control of CFTR (RNF34 Role in CFTR PeriQC). *Frontiers in molecular biosciences*, 9, 840649.

Aaltonen MJ, et al. (2022) Serine palmitoyltransferase assembles at ER-mitochondria contact sites. *Life science alliance*, 5(2).

Yuan C, et al. (2022) Comprehensive Subcellular Localization of Swine Acute Diarrhea Syndrome Coronavirus Proteins. *Journal of virology*, 96(17), e0077222.

Cruz-Cosme R, et al. (2022) A novel diG motif in ORF3a protein of SARS-Cov-2 for intracellular transport. *Frontiers in cell and developmental biology*, 10, 1011221.

Lone MA, et al. (2022) SPTLC1 variants associated with ALS produce distinct sphingolipid signatures through impaired interaction with ORMDL proteins. *The Journal of clinical investigation*, 132(18).

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

Nourbakhsh K, et al. (2021) TAOK2 is an ER-localized kinase that catalyzes the dynamic tethering of ER to microtubules. *Developmental cell*, 56(24), 3321.

Spits M, et al. (2021) Mobile late endosomes modulate peripheral endoplasmic reticulum network architecture. *EMBO reports*, 22(3), e50815.