

Resource Summary Report

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

CD63-pEGFP C2

RRID:Addgene_62964

Type: Plasmid

Proper Citation

RRID:Addgene_62964

Plasmid Information

URL: <http://www.addgene.org/62964>

Proper Citation: RRID:Addgene_62964

Insert Name: CD63 molecule

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:4700; Vector Backbone:pEGFP C2; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: Examples of use: Blagoveshchenskaya AD, Hannah MJ, Allen S, Cutler DF. (2002) Selective and signal-dependent recruitment of membrane proteins to secretory granules formed by heterologously expressed von Willebrand factor. Mol Biol Cell 13:1582-1593. Bampton ET, Goemans CG, Niranjana D, Mizushima N, Tolkovsky AM. (2005) The dynamics of autophagy visualized in live cells: from autophagosome formation to fusion with endo/lysosomes. Autophagy 1: 23-36. Harrison-Lavoie KJ, Michaux G, Hewlett L, Kaur J, Hannah MJ, Lui-Roberts WW, Norman KE, Cutler DF. (2006) P-selectin and CD63 use different mechanisms for delivery to Weibel-Palade bodies. Traffic 7: 647-662. Babich V, Meli A, Knipe L, Dempster JE, Skehel P, Hannah MJ, Carter T. (2008) Selective release of molecules from Weibel-Palade bodies during a lingering kiss. Blood 111: 5282-5290. Babich V, Knipe L, Hewlett L, Meli A, Dempster J, Hannah MJ, Carter T. (2009) Differential effect of extracellular acidosis on the release and dispersal of soluble and membrane proteins secreted from the Weibel-Palade body.

Plasmid Name: CD63-pEGFP C2

Relevant Mutation: CD63 has 1 silent mutation compared to the coding sequence of NM_001267698.1 N129 AAT instead of AAC

Record Creation Time: 20220422T222400+0000

Record Last Update: 20260815T081758+0000

Ratings and Alerts

No rating or validation information has been found for CD63-pEGFP C2.

No alerts have been found for CD63-pEGFP C2.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 66 mentions in open access literature.

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

Zhang M, et al. (2025) Restoration of TP53 strategy via specific nanoparticles for ovarian cancer therapy. Journal of ovarian research, 18(1), 95.

Zheng YH, et al. (2025) ADAM17 is an HIV-1 Restriction Factor Antagonized by Nef. Research square.

Saleh NA, et al. (2025) Harnessing Extracellular Vesicles for Stabilized and Functional IL-10 Delivery in Macrophage Immunomodulation. bioRxiv : the preprint server for biology.

Yaeger JDW, et al. (2025) Cholesterol deficiency directs autophagy-dependent secretion of extracellular vesicles. bioRxiv : the preprint server for biology.

Wang W, et al. (2025) Engineered Extracellular Vesicles Enriched with miR-214 Enhance the Efficacy of Chemotherapy for Ovarian Cancer. bioRxiv : the preprint server for biology.

Ionescu A, et al. (2025) Muscle-derived miR-126 regulates TDP-43 axonal local synthesis and NMJ integrity in ALS models. Nature neuroscience, 28(11), 2201.

Wang M, et al. (2025) Enhanced Small Extracellular Vesicle Uptake by Activated Interneurons Improves Stroke Recovery in Mice. Journal of extracellular biology, 4(3), e70036.

Oxman E, et al. (2024) Identification and Functional Analysis of Rare HECTD1 Missense Variants in Human Neural Tube Defects. Research square.

Oxman E, et al. (2024) Identification and functional analysis of rare HECTD1 missense variants in human neural tube defects. Human genetics.

Dubey S, et al. (2024) Small extracellular vesicles (sEVs)-based gene delivery platform for cell-specific CRISPR/Cas9 genome editing. Theranostics, 14(7), 2777.

Hao M, et al. (2024) In?vivo CRISPR knockout screen identifies p47 as a suppressor of HER2+ breast cancer metastasis by regulating NEMO trafficking and autophagy flux. *Cell reports*, 43(2), 113780.

Cone AS, et al. (2024) CD81 fusion alters SARS-CoV-2 Spike trafficking. *mBio*, 15(9), e0192224.

Robinson BP, et al. (2024) Septin-coated microtubules promote maturation of multivesicular bodies by inhibiting their motility. *The Journal of cell biology*, 223(8).

Sivun D, et al. (2024) Multiphoton lithography with protein photoresists. *Materials today. Bio*, 25, 100994.

Kang H, et al. (2024) Evidence for Involvement of ADP-Ribosylation Factor 6 in Intracellular Trafficking and Release of Murine Leukemia Virus Gag. *Cells*, 13(3).

Kostyusheva A, et al. (2024) Biologics-based technologies for highly efficient and targeted RNA delivery. *Molecular therapy : the journal of the American Society of Gene Therapy*.

Takeda N, et al. (2023) Analysis of distribution, collection, and confirmation of capacity dependency of small extracellular vesicles toward a therapy for liver cirrhosis. *Inflammation and regeneration*, 43(1), 48.

Bonavita R, et al. (2023) The HSPB1-p62/SQSTM1 functional complex regulates the unconventional secretion and transcellular spreading of the HD-associated mutant huntingtin protein. *Human molecular genetics*, 32(14), 2269.

Ko SY, et al. (2023) The glycoprotein CD147 defines miRNA-enriched extracellular vesicles that derive from cancer cells. *Journal of extracellular vesicles*, 12(4), e12318.

Nebogatova J, et al. (2023) A Method for Using Cell-Penetrating Peptides for Loading Plasmid DNA into Secreted Extracellular Vesicles. *Biomolecules*, 13(12).