

Resource Summary Report

Generated by [RRID](#) on Aug 21, 2026

pDisplay-BirA-ER

RRID:Addgene_20856

Type: Plasmid

Proper Citation

RRID:Addgene_20856

Plasmid Information

URL: <http://www.addgene.org/20856>

Proper Citation: RRID:Addgene_20856

Insert Name: BirA-ER

Organism: E. Coli

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:18425138](#)

Vector Backbone Description: Backbone Size:5300; Vector Backbone:pDisplay; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Please email tinglab@gmail.com with the intended use and/or targets for this plasmid.

Plasmid Name: pDisplay-BirA-ER

Relevant Mutation: C-terminal ER targeting sequence (KDEL)

Record Creation Time: 20220422T222053+0000

Record Last Update: 20260815T081157+0000

Ratings and Alerts

No rating or validation information has been found for pDisplay-BirA-ER.

No alerts have been found for pDisplay-BirA-ER.

Data and Source Information

Usage and Citation Metrics

We found 22 mentions in open access literature.

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

Yasumura M, et al. (2026) Macrocyclic and linear peptides promote LAR dimerization and neurite outgrowth. The Journal of biological chemistry, 113340.

Bick MV, et al. (2025) Molecular parameters governing antibody Fc γ R signaling and effector functions in the context of HIV envelope. Cell reports, 44(4), 115331.

Groen K, et al. (2025) Type I interferon autoantibody footprints reveal neutralizing mechanisms and allow inhibitory decoy design. The Journal of experimental medicine, 222(6).

Tam JCH, et al. (2025) Spike-specific IgG4 generated post BNT162b2 mRNA vaccination is inhibitory when directly competing with functional IgG subclasses. Cell reports, 44(7), 116000.

Zhu N, et al. (2024) Utility of protein-protein binding surfaces composed of anti-parallel alpha-helices and beta-sheets selected by phage display. The Journal of biological chemistry, 300(5), 107283.

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.

Huo J, et al. (2023) A delicate balance between antibody evasion and ACE2 affinity for Omicron BA.2.75. Cell reports, 42(1), 111903.

Ruba A, et al. (2023) The ciliary lumen accommodates passive diffusion and vesicle-assisted trafficking in cytoplasm-ciliary transport. Molecular biology of the cell, 34(6), ar59.

Konrad CV, et al. (2023) Redirector of Vaccine-induced Effector Responses (RoVER) for specific killing of cellular targets. EBioMedicine, 96, 104785.

Tuekprakhon A, et al. (2022) Antibody escape of SARS-CoV-2 Omicron BA.4 and BA.5 from vaccine and BA.1 serum. Cell, 185(14), 2422.

Chadha A, et al. (2021) Comparison of Ciliary Targeting of Two Rhodopsin-Like GPCRs: Role of C-Terminal Localization Sequences in Relation to Cilium Type. The Journal of neuroscience : the official journal of the Society for Neuroscience, 41(36), 7514.

Robinson RA, et al. (2021) Simultaneous binding of Guidance Cues NET1 and RGM blocks extracellular NEO1 signaling. Cell, 184(8), 2103.

Kim YS, et al. (2021) Deciphering epiblast lumenogenesis reveals proamniotic cavity control of embryo growth and patterning. Science advances, 7(11).

Lee AW, et al. (2019) A knottin scaffold directs the CXC-chemokine-binding specificity of tick evasins. *The Journal of biological chemistry*, 294(29), 11199.

Rimbault C, et al. (2019) Engineering selective competitors for the discrimination of highly conserved protein-protein interaction modules. *Nature communications*, 10(1), 4521.

Chadha A, et al. (2019) The route of the visual receptor rhodopsin along the cilium. *Journal of cell science*, 132(10).

Ye F, et al. (2018) BBSome trains remove activated GPCRs from cilia by enabling passage through the transition zone. *The Journal of cell biology*, 217(5), 1847.

Chamma I, et al. (2017) Optimized labeling of membrane proteins for applications to super-resolution imaging in confined cellular environments using monomeric streptavidin. *Nature protocols*, 12(4), 748.

Elegheert J, et al. (2017) Structural Mechanism for Modulation of Synaptic Neuroligin-Neurexin Signaling by MDGA Proteins. *Neuron*, 95(4), 896.

Farhy-Tselnicker I, et al. (2017) Astrocyte-Secreted Glypican 4 Regulates Release of Neuronal Pentraxin 1 from Axons to Induce Functional Synapse Formation. *Neuron*, 96(2), 428.