

Resource Summary Report

Generated by [RRID](#) on Aug 26, 2026

pDEST14-SpyCatcher

RRID:Addgene_35044

Type: Plasmid

Proper Citation

RRID:Addgene_35044

Plasmid Information

URL: <http://www.addgene.org/35044>

Proper Citation: RRID:Addgene_35044

Insert Name: SpyCatcher

Organism: Streptococcus pyogenes

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:22366317](#)

Vector Backbone Description: Vector Backbone:pDEST14; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pDEST14-SpyCatcher

Relevant Mutation: Deletion of C-terminal till I113, and point mutations I34E and M69Y

Record Creation Time: 20220422T222149+0000

Record Last Update: 20260815T081357+0000

Ratings and Alerts

No rating or validation information has been found for pDEST14-SpyCatcher.

No alerts have been found for pDEST14-SpyCatcher.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 18 mentions in open access literature.

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

Ortiz de Ora L, et al. (2025) Phollow reveals in situ phage transmission dynamics in the zebrafish gut microbiome at single-virion resolution. *Nature microbiology*, 10(5), 1067.

Ramirez A, et al. (2025) Co-Delivery of Multiple Toll-Like Receptor Agonists and Avian Influenza Hemagglutinin on Protein Nanoparticles Enhances Vaccine Immunogenicity and Efficacy. *Advanced healthcare materials*, 14(10), e2404335.

Ortiz de Ora L, et al. (2024) Phollow: Visualizing Gut Bacteriophage Transmission within Microbial Communities and Living Animals. *bioRxiv : the preprint server for biology*.

Krause T, et al. (2024) Foam fractionation Tags (F-Tags) enabling surfactant-free, activity-preserving recovery of enzymes. *Applied microbiology and biotechnology*, 108(1), 140.

Keeble AH, et al. (2022) DogCatcher allows loop-friendly protein-protein ligation. *Cell chemical biology*, 29(2), 339.

Arrigoni C, et al. (2022) Quaternary structure independent folding of voltage-gated ion channel pore domain subunits. *Nature structural & molecular biology*, 29(6), 537.

Zhong BL, et al. (2022) Facile detection of mechanical forces across proteins in cells with STReTCh. *Cell reports methods*, 2(9), 100278.

Brune KD, et al. (2021) N-Terminal Modification of Gly-His-Tagged Proteins with Azidogluconolactone. *Chembiochem : a European journal of chemical biology*, 22(22), 3199.

Izor?? T, et al. (2021) Structures of a non-ribosomal peptide synthetase condensation domain suggest the basis of substrate selectivity. *Nature communications*, 12(1), 2511.

Donovan DA, et al. (2019) Engineered Chromatin Remodeling Proteins for Precise Nucleosome Positioning. *Cell reports*, 29(8), 2520.

Keeble AH, et al. (2019) Insider information on successful covalent protein coupling with help from SpyBank. *Methods in enzymology*, 617, 443.

Denham EM, et al. (2019) A generic cell surface ligand system for studying cell-cell recognition. *PLoS biology*, 17(12), e3000549.

Chauhan N, et al. (2019) Insights into the autotransport process of a trimeric autotransporter, Yersinia Adhesin A (YadA). *Molecular microbiology*, 111(3), 844.

Swartz AR, et al. (2018) SpyTag/SpyCatcher Functionalization of E2 Nanocages with Stimuli-Responsive Z-ELP Affinity Domains for Tunable Monoclonal Antibody Binding and Precipitation Properties. *Bioconjugate chemistry*, 29(9), 3113.

Hinrichsen M, et al. (2017) A new method for post-translationally labeling proteins in live cells for fluorescence imaging and tracking. *Protein engineering, design & selection : PEDS*, 30(12), 771.

Veggiani G, et al. (2016) Programmable polyproteins built using twin peptide superglues. *Proceedings of the National Academy of Sciences of the United States of America*, 113(5), 1202.

Leonard JD, et al. (2015) A nucleotide-driven switch regulates flanking DNA length sensing by a dimeric chromatin remodeler. *Molecular cell*, 57(5), 850.

Botyanszki Z, et al. (2015) Engineered catalytic biofilms: Site-specific enzyme immobilization onto *E. coli* curli nanofibers. *Biotechnology and bioengineering*, 112(10), 2016.