

Resource Summary Report

Generated by [RRID](#) on Aug 25, 2026

SpyCatcher003-mi3

RRID:Addgene_159995

Type: Plasmid

Proper Citation

RRID:Addgene_159995

Plasmid Information

URL: <http://www.addgene.org/159995>

Proper Citation: RRID:Addgene_159995

Insert Name: SpyCatcher003-mi3

Organism: Synthetic

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:32886840](#)

Vector Backbone Description: Backbone Marker:Novagen; Backbone Size:5369; Vector Backbone:pET28a; Vector Types:Bacterial Expression; Bacterial Resistance:Kanamycin

Comments: SpyCatcher003 has improved reaction rate with SpyTag, SpyTag002 and SpyTag003-fusion proteins and higher structural stability than previous SpyCatcher generations.

Plasmid Name: SpyCatcher003-mi3

Record Creation Time: 20220422T221906+0000

Record Last Update: 20260815T080834+0000

Ratings and Alerts

No rating or validation information has been found for SpyCatcher003-mi3.

No alerts have been found for SpyCatcher003-mi3.

Data and Source Information

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Maciorowski D, et al. (2026) Immunization with Herpes Simplex Virus Nanoparticles Targeting Both Attachment and Fusion Protect Against Infection. bioRxiv : the preprint server for biology.

Cohen AA, et al. (2026) mRNA delivery of mosaic-8 pan-sarbecovirus RBD vaccines elicits distinct antibody epitope signatures. Cell reports, 45(5), 117335.

Cohen AA, et al. (2025) Broad anti-sarbecovirus responses elicited by a single administration of mosaic-8 RBD-nanoparticle vaccine prepared using atomic layer deposition. iScience, 28(11), 113649.

Cohen AA, et al. (2025) mRNA delivery of genetically encoded mosaic-8 pan-sarbecovirus RBD vaccines. bioRxiv : the preprint server for biology.

Belghith AA, et al. (2025) Mpox multiprotein virus-like nanoparticle vaccine induces neutralizing and protective antibodies in mice and non-human primates. Nature communications, 16(1), 4726.

Huang CQ, et al. (2025) Computationally designed haemagglutinin with nanocage plug-and-display elicits pan-H5 influenza vaccine responses. Emerging microbes & infections, 14(1), 2511132.

Hills RA, et al. (2024) Proactive vaccination using multiviral Quartet Nanocages to elicit broad anti-coronavirus responses. Nature nanotechnology, 19(8), 1216.

Kapingidza AB, et al. (2023) Engineered immunogens to elicit antibodies against conserved coronavirus epitopes. Nature communications, 14(1), 7897.

Ahmed S, et al. (2023) Enhancing anti-viral neutralization response to immunization with HIV-1 envelope glycoprotein immunogens. NPJ vaccines, 8(1), 181.

Hoffmann MAG, et al. (2023) ESCRT recruitment to SARS-CoV-2 spike induces virus-like particles that improve mRNA vaccines. Cell, 186(11), 2380.

Vester SK, et al. (2022) SpySwitch enables pH- or heat-responsive capture and release for plug-and-display nanoassembly. Nature communications, 13(1), 3714.

Tan TK, et al. (2021) A COVID-19 vaccine candidate using SpyCatcher multimerization of the SARS-CoV-2 spike protein receptor-binding domain induces potent neutralising antibody responses. Nature communications, 12(1), 542.