

Resource Summary Report

Generated by [PRECISE-TBI](#) on Sep 1, 2026

SpyTag-?-Lactamase-SpyCatcher

RRID:Addgene_52656

Type: Plasmid

Proper Citation

RRID:Addgene_52656

Plasmid Information

URL: <http://www.addgene.org/52656>

Proper Citation: RRID:Addgene_52656

Insert Name: TEM-1 ?-Lactamase

Organism: Synthetic

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:24817566](#)

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

Plasmid Name: SpyTag-?-Lactamase-SpyCatcher

Record Creation Time: 20220422T222309+0000

Record Last Update: 20260829T080651+0000

Ratings and Alerts

No rating or validation information has been found for SpyTag-?-Lactamase-SpyCatcher.

No alerts have been found for SpyTag-?-Lactamase-SpyCatcher.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Kang Y, et al. (2023) Lactate oxidase/vSIRP α conjugates efficiently consume tumor-produced lactates and locally produce tumor-necrotic H₂O₂ to suppress tumor growth. International journal of biological macromolecules, 231, 123577.

Yang JI, et al. (2022) Display of Streptococcus iniae α -Enolase on the Surface of Virus-Like Particles (VLPs) of Nervous Necrosis Virus (NNV) Using SpyTag/SpyCatcher. Marine biotechnology (New York, N.Y.), 24(6), 1066.

Jun H, et al. (2022) TRAIL & EGFR affibody dual-display on a protein nanoparticle synergistically suppresses tumor growth. Journal of controlled release : official journal of the Controlled Release Society, 349, 367.

Koh DW, et al. (2022) Engineering Ag43 Signal Peptides with Bacterial Display and Selection. Methods and protocols, 6(1).

Wang Y, et al. (2019) SpyTag/SpyCatcher cyclization enhances the thermostability and organic solvent tolerance of L-phenylalanine aldolase. Biotechnology letters, 41(8-9), 987.

Knox R, et al. (2018) Mapping Conformational Dynamics to Individual Steps in the TEM-1 β -Lactamase Catalytic Mechanism. Journal of molecular biology, 430(18 Pt B), 3311.

Choi H, et al. (2018) Fabrication of Nanoreaction Clusters with Dual-Functionalized Protein Cage Nanobuilding Blocks. Small (Weinheim an der Bergstrasse, Germany), 14(35), e1801488.

Schoene C, et al. (2016) SpyRings Declassified: A Blueprint for Using Isopeptide-Mediated Cyclization to Enhance Enzyme Thermal Resilience. Methods in enzymology, 580, 149.