Resource Summary Report

Generated by dkNET on Aug 19, 2026

pET21a-Streptavidin-Alive

RRID:Addgene_20860
Type: Plasmid

Proper Citation

RRID:Addgene_20860

Plasmid Information

URL: http://www.addgene.org/20860

Proper Citation: RRID:Addgene_20860

Insert Name: Streptavidin-Alive

Organism: E. Coli

Bacterial Resistance: Ampicillin

Defining Citation: PMID:16554831

Vector Backbone Description: Backbone Size:5443; Vector Backbone:pET21a; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

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

Plasmid Name: pET21a-Streptavidin-Alive

Relevant Mutation: Wt gene

Record Creation Time: 20220422T222053+0000

Record Last Update: 20260815T081157+0000

Ratings and Alerts

No rating or validation information has been found for pET21a-Streptavidin-Alive.

No alerts have been found for pET21a-Streptavidin-Alive.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 20 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

Obozina AS, et al. (2026) Genetically encoded self-assembling affibody-streptavidin nanoparticles for HER2-positive cancer theranostics. Journal of controlled release : official journal of the Controlled Release Society, 392, 114679.

Tie HC, et al. (2025) Quantitative intra-Golgi transport and organization data suggest the stable compartment nature of the Golgi. eLife, 13.

Arimura Y, et al. (2025) MagIC-Cryo-EM, structural determination on magnetic beads for scarce macromolecules in heterogeneous samples. eLife, 13.

Arimura Y, et al. (2024) MagIC-Cryo-EM: Structural determination on magnetic beads for scarce macromolecules in heterogeneous samples. bioRxiv : the preprint server for biology.

Luther DC, et al. (2022) Cytosolic Protein Delivery Using Modular Biotin-Streptavidin Assembly of Nanocomposites. ACS nano, 16(5), 7323.

Heermann T, et al. (2021) Mass-sensitive particle tracking to elucidate the membrane-associated MinDE reaction cycle. Nature methods, 18(10), 1239.

Po??niak M, et al. (2021) Modular self-assembly system for development of oligomeric, highly internalizing and potent cytotoxic conjugates targeting fibroblast growth factor receptors. Journal of biomedical science, 28(1), 69.

Heermann T, et al. (2021) Probing Biomolecular Interactions by a Pattern-Forming Peptide-Conjugate Sensor. Bioconjugate chemistry, 32(1), 172.

Akhras S, et al. (2019) ZIKV Envelope Domain-Specific Antibodies: Production, Purification and Characterization. Viruses, 11(8).

Sobajima T, et al. (2018) The Rab11-binding protein RELCH/KIAA1468 controls intracellular cholesterol distribution. The Journal of cell biology, 217(5), 1777.

Tie HC, et al. (2018) The spatial separation of processing and transport functions to the interior and periphery of the Golgi stack. eLife, 7.

Akhras S, et al. (2017) Cell-permeable capsids as universal antigen carrier for the induction of an antigen-specific CD8+ T-cell response. Scientific reports, 7(1), 9630.

Sharma P, et al. (2017) Efficient intracellular delivery of biomacromolecules employing clusters of zinc oxide nanowires. Nanoscale, 9(40), 15371.

Wang H, et al. (2015) Reactivity and kinetics of vinyl sulfone-functionalized self-assembled monolayers for bioactive ligand immobilization. Langmuir : the ACS journal of surfaces and colloids, 31(11), 3413.

Hartel AJ, et al. (2015) The molecular size of the extra-membrane domain influences the diffusion of the GPI-anchored VSG on the trypanosome plasma membrane. Scientific reports, 5, 10394.

Wurtzler EM, et al. (2014) A streptavidin-SOG chimera for all-optical immunoassays. Biomacromolecules, 15(1), 228.

Hess GT, et al. (2012) M13 bacteriophage display framework that allows sortase-mediated modification of surface-accessible phage proteins. Bioconjugate chemistry, 23(7), 1478.

Lau PW, et al. (2012) DOLORS: versatile strategy for internal labeling and domain localization in electron microscopy. Structure (London, England : 1993), 20(12), 1995.

Sun W, et al. (2012) Non-covalent ligand conjugation to biotinylated DNA nanoparticles using TAT peptide genetically fused to monovalent streptavidin. Journal of drug targeting, 20(8), 678.

Aldridge C, et al. (2012) The chloroplast twin arginine transport (Tat) component, Tha4, undergoes conformational changes leading to Tat protein transport. The Journal of biological chemistry, 287(41), 34752.