Resource Summary Report

Generated by nidm-terms on Aug 9, 2026

pET21a-Streptavidin-Dead

RRID:Addgene_20859
Type: Plasmid

Proper Citation

RRID:Addgene_20859

Plasmid Information

URL: http://www.addgene.org/20859

Proper Citation: RRID:Addgene_20859

Insert Name: Streptavidin-Dead

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 intended use and/or targets for this plasmid.

Plasmid Name: pET21a-Streptavidin-Dead

Relevant Mutation: Triple mutant of wt Streptavidin N23A,S27D,S45A

Record Creation Time: 20220422T222053+0000

Record Last Update: 20260808T081404+0000

Ratings and Alerts

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

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

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 11 mentions in open access literature.

Listed below are recent publications. The full list is available at nidm-terms .

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.

Zhang B, et al. (2021) Probing Bioelectronic Connections Using Streptavidin Molecules with Modified Valency. Journal of the American Chemical Society, 143(37), 15139.

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

Bhola NE, et al. (2015) Kinome-wide functional screen identifies role of PLK1 in hormone-independent, ER-positive breast cancer. Cancer research, 75(2), 405.

Rios EJ, et al. (2015) Fc?RI expression and dynamics on mast cells. Methods in molecular biology (Clifton, N.J.), 1220, 239.

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.

Fairhead M, et al. (2014) Plug-and-play pairing via defined divalent streptavidins. Journal of molecular biology, 426(1), 199.

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.