Resource Summary Report

Generated by NIF on Sep 4, 2026

pET21a-Traptavidin

RRID:Addgene_24753
Type: Plasmid

Proper Citation

RRID:Addgene_24753

Plasmid Information

URL: http://www.addgene.org/24753

Proper Citation: RRID:Addgene_24753

Insert Name: Traptavidin

Organism: Streptomyces avidinii

Bacterial Resistance: Ampicillin

Defining Citation: PMID:20383133

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

Comments: Traptavidin has a lower off-rate and lower on-rate for biotin conjugates, as well as higher mechanical strength and higher thermal stability. It is tetramer, refolded from inclusion bodies. This particular material is subject to a UK priority patent application (0919102.4) filed on 30th October 2009

Plasmid Name: pET21a-Traptavidin

Relevant Mutation: Streptavidin with 2 amino acid mutations: S52G and R53D

Record Creation Time: 20220422T222110+0000

Record Last Update: 20260902T044903+0000

Ratings and Alerts

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

No alerts have been found for pET21a-Traptavidin.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Bang Y, et al. (2020) An efficient cell type specific conjugating method for incorporating various nanostructures to genetically encoded AviTag expressed optogenetic opsins. Biochemical and biophysical research communications, 530(3), 581.

Norris JL, et al. (2020) Covalent and non-covalent strategies for the immobilization of Tobacco Etch Virus protease (TEVp) on superparamagnetic nanoparticles. Journal of biotechnology, 322, 1.