

# Resource Summary Report

Generated by [dkNET](#) on Aug 19, 2026

## pET21-Streptavidin-K121R

RRID:Addgene\_89880

Type: Plasmid

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### Proper Citation

RRID:Addgene\_89880

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### Plasmid Information

**URL:** <http://www.addgene.org/89880>

**Proper Citation:** RRID:Addgene\_89880

**Insert Name:** Streptavidin-K121R-Glutamate\_Tag

**Organism:** E. coli

**Bacterial Resistance:** Ampicillin

**Defining Citation:** [PMID:28757182](#)

**Vector Backbone Description:** Backbone Marker:Novagen; Backbone Size:5400; Vector Backbone:pET21; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

**Comments:** The residue numbering is based 1986 paper from Charles Cantor: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC339579> (see Figure 3) In the original sequence, there is a signal peptide and N-terminal sequence that are proteolytically processed. Thus, the most common version is Core Streptavidin, which starts at residue 13 and ends at residue 139, as shown here: <http://www.jbc.org/content/270/47/28204.long> (see Figure 1)

**Plasmid Name:** pET21-Streptavidin-K121R

**Relevant Mutation:** K121R

**Record Creation Time:** 20220422T222610+0000

**Record Last Update:** 20260815T082201+0000

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### Ratings and Alerts

No rating or validation information has been found for pET21-Streptavidin-K121R.

No alerts have been found for pET21-Streptavidin-K121R.

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## Data and Source Information

**Source:** [Addgene](#)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.