

Resource Summary Report

Generated by [dkNET](#) on Aug 20, 2026

pET21-Streptavidin-K121R

RRID:Addgene_89880

Type: Plasmid

Proper Citation

RRID:Addgene_89880

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

Ratings and Alerts

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

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

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.