

Resource Summary Report

Generated by [RRID](#) on Sep 1, 2026

pET28a(+)-SpdCas9-SBiT_Strep-Tag-II

RRID:Addgene_198750

Type: Plasmid

Proper Citation

RRID:Addgene_198750

Plasmid Information

URL: <http://www.addgene.org/198750>

Proper Citation: RRID:Addgene_198750

Insert Name: SpdCas9 - SmallBiT

Organism: Synthetic

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:37122471](#)

Vector Backbone Description: Backbone Marker:EMD Millipore; Backbone Size:5369; Vector Backbone:pET-28a(+); Vector Types:Bacterial Expression; Bacterial Resistance:Kanamycin

Comments: This plasmid also contains the coding sequence for the LargeBiT fragment of the NanoBiT split NanoLuc luciferase downstream of the SmallBiT coding sequence, but there is a stopcodon after the strep-tag fused to SmallBiT. Hence, this plasmid encodes for the SpdCas9-SmallBiT protein by default. By cleaving the plasmid with SpeI restriction enzyme, the SmallBiT part may be removed, and after selfligation the plasmid then encodes for the SpCas9-LargeBiT protein (i.e. plasmid #198751 is obtained).

Plasmid Name: pET28a(+)-SpdCas9-SBiT_Strep-Tag-II

Relevant Mutation: D10A, H840A (nuclease inactivating mutations in 'd' variant of SpCas9)

Record Creation Time: 20230624T080423+0000

Record Last Update: 20260829T081739+0000

Ratings and Alerts

No rating or validation information has been found for pET28a(+)-SpdCas9-SBiT_Strep-Tag-II.

No alerts have been found for pET28a(+)-SpdCas9-SBiT_Strep-Tag-II.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.