

Resource Summary Report

Generated by [RRID](#) on Aug 24, 2026

pET-NLS-Cas9-6xHis

RRID:Addgene_62934

Type: Plasmid

Proper Citation

RRID:Addgene_62934

Plasmid Information

URL: <http://www.addgene.org/62934>

Proper Citation: RRID:Addgene_62934

Insert Name: NLS-Cas9-6xHis

Organism: S. pyogenes

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:25357182](#)

Vector Backbone Description: Backbone Marker:Novagen; Backbone Size:5161; Vector Backbone:pET29; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

Comments: Alternative plasmid name: pJAZ0006

Plasmid Name: pET-NLS-Cas9-6xHis

Record Creation Time: 20220422T222400+0000

Record Last Update: 20260815T081757+0000

Ratings and Alerts

No rating or validation information has been found for pET-NLS-Cas9-6xHis.

No alerts have been found for pET-NLS-Cas9-6xHis.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 25 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Reyes LV, et al. (2025) The CRISPR-Cas9 System in *Entamoeba histolytica* Trophozoites: ehcp112 Gene Knockout and Effects on Other Genes in the V1 Virulence Locus. *Microorganisms*, 13(9).

Le TT, et al. (2025) Cas9-mediated gene-editing frequency in microalgae is doubled by harnessing the interaction between importin α and phytopathogenic NLSs. *Proceedings of the National Academy of Sciences of the United States of America*, 122(10), e2415072122.

Yuan Y, et al. (2025) Phototropin connects blue light perception to starch metabolism in green algae. *Nature communications*, 16(1), 2545.

Tran NL, et al. (2025) Human opsin restoration by histone methylation using methyltransferase fusion protein SETD7-dCas9. *Molecular therapy. Nucleic acids*, 36(3), 102677.

Kraus F, et al. (2025) Global cellular proteo-lipidomic profiling of diverse lysosomal storage disease mutants using nMOST. *Science advances*, 11(4), eadu5787.

Wu D, et al. (2025) Mannosylated neutrophil vesicles targeting macrophages alleviate liver inflammation by delivering CRISPR/Cas9 RNPs. *Theranostics*, 15(13), 6221.

Bosco J, et al. (2025) A galactose-based auto-expression system improves T7-inducible protein production in *Escherichia coli*. *Scientific reports*, 15(1), 8936.

Wang Y, et al. (2025) Comparative transcriptome analyses and CRISPR/Cas9-mediated functional study of *Tfsdh1* reveal insights into the interaction between *Tremella fuciformis* and *Annulohyphomyces stygium*. *Frontiers in microbiology*, 16, 1723122.

Alonso-Lerma B, et al. (2023) Evolution of CRISPR-associated endonucleases as inferred from resurrected proteins. *Nature microbiology*, 8(1), 77.

León E, et al. (2023) Anti-SpCas9 IgY Polyclonal Antibodies Production for CRISPR Research Use. *ACS omega*, 8(37), 33809.

Kraus F, et al. (2023) PARK15/FBXO7 is dispensable for PINK1/Parkin mitophagy in iNeurons and HeLa cell systems. *EMBO reports*, 24(8), e56399.

Tchasovnikarova IA, et al. (2022) TRACE generates fluorescent human reporter cell lines to characterize epigenetic pathways. *Molecular cell*, 82(2), 479.

Ka HI, et al. (2021) Loss of splicing factor IK impairs normal skeletal muscle development. *BMC biology*, 19(1), 44.

Ju E, et al. (2021) Reversible switching of primary cells between normal and malignant state by oncogenic virus KSHV and CRISPR/Cas9-mediated targeting of a major viral

latent protein. Journal of medical virology, 93(8), 5065.

Ordureau A, et al. (2021) Temporal proteomics during neurogenesis reveals large-scale proteome and organelle remodeling via selective autophagy. Molecular cell, 81(24), 5082.

Ordureau A, et al. (2020) Global Landscape and Dynamics of Parkin and USP30-Dependent Ubiquitylomes in iNeurons during Mitophagic Signaling. Molecular cell, 77(5), 1124.

Jan Vonk P, et al. (2019) High-throughput targeted gene deletion in the model mushroom Schizophyllum commune using pre-assembled Cas9 ribonucleoproteins. Scientific reports, 9(1), 7632.

Ju E, et al. (2019) Gold Nanocluster-Mediated Efficient Delivery of Cas9 Protein through pH-Induced Assembly-Disassembly for Inactivation of Virus Oncogenes. ACS applied materials & interfaces, 11(38), 34717.

Rajagopalan N, et al. (2018) A Two-Step Method for Obtaining Highly Pure Cas9 Nuclease for Genome Editing, Biophysical, and Structural Studies. Methods and protocols, 1(2).

Martin-Martin I, et al. (2018) Optimization of sand fly embryo microinjection for gene editing by CRISPR/Cas9. PLoS neglected tropical diseases, 12(9), e0006769.