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 ? and phytopathogenic NLSs. Proceedings of the National Academy of Sciences of the United States of America, 122(10), e2415072122.

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

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

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 Annulohypoxylon 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.