Resource Summary Report

Generated by NIF on Sep 18, 2026

pSANG10-3F-BG4

RRID:Addgene_55756
Type: Plasmid

Proper Citation

RRID:Addgene_55756

Plasmid Information

URL: http://www.addgene.org/55756

Proper Citation: RRID:Addgene_55756

Insert Name: BG4

Organism: human phage display antibody from Sanger library

Bacterial Resistance: Kanamycin

Defining Citation: PMID:23422559

Vector Backbone Description: Backbone Marker:John McCafferty; Backbone Size:5438; Vector Backbone:pSANG10-3F; Vector Types:Bacterial Expression; Bacterial Resistance:Kanamycin

Plasmid Name: pSANG10-3F-BG4

Record Creation Time: 20220422T222326+0000

Record Last Update: 20260912T092902+0000

Ratings and Alerts

No rating or validation information has been found for pSANG10-3F-BG4.

No alerts have been found for pSANG10-3F-BG4.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 29 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF .

Pevec M, et al. (2025) Structural basis of G-quadruplex recognition by a camelid antibody fragment. Nucleic acids research, 53(10).

Soriano-Lerma A, et al. (2025) In-depth analysis of the mode of action of resveratrol: genome-wide characterization of G-quadruplex binding properties. Cellular & molecular biology letters, 30(1), 74.

Germoglio M, et al. (2025) Effects of hydrazone-based G-quadruplex ligands on FANCJ/BRIP1-depleted cancer cells and a Caenorhabditis elegans dog-1-/- strain. NAR cancer, 7(1), zcaf004.

Wang B, et al. (2025) ebv-sisRNA-3 contributes to the formation of G4-associated R-loop upstream of EBV lytic replication origin in latently infected cells. Cell & bioscience, 15(1), 91.

DeMeis JD, et al. (2025) Long G4-rich enhancers target promoters via a G4 DNA-based mechanism. Nucleic acids research, 53(2).

Andreasson M, et al. (2024) Exploring the Dispersion and Electrostatic Components in Arene-Arene Interactions between Ligands and G4 DNA to Develop G4-Ligands. Journal of medicinal chemistry, 67(3), 2202.

Esain-Garcia I, et al. (2024) G-quadruplex DNA structure is a positive regulator of MYC transcription. Proceedings of the National Academy of Sciences of the United States of America, 121(7), e2320240121.

Cui X, et al. (2024) YY1 is involved in homologous recombination inhibition at guanine quadruplex sites in human cells. Nucleic acids research, 52(13), 7401.

Asamitsu S, et al. (2023) RNA G-quadruplex organizes stress granule assembly through DNAPTP6 in neurons. Science advances, 9(8), eade2035.

Parisis N, et al. (2023) Histone H3 serine-57 is a CHK1 substrate whose phosphorylation affects DNA repair. Nature communications, 14(1), 5104.

Zanin I, et al. (2023) Genome-wide mapping of i-motifs reveals their association with transcription regulation in live human cells. Nucleic acids research, 51(16), 8309.

Le Bras M, et al. (2022) Translational Regulation by hnRNP H/F Is Essential for the Proliferation and Survival of Glioblastoma. Cancers, 14(5).

Feng Y, et al. (2022) Epigenomic features of DNA G-quadruplexes and their roles in regulating rice gene transcription. Plant physiology, 188(3), 1632.

Dahal S, et al. (2022) Unleashing a novel function of Endonuclease G in mitochondrial genome instability. eLife, 11.

Keller JG, et al. (2022) Topoisomerase 1 inhibits MYC promoter activity by inducing G-quadruplex formation. Nucleic acids research, 50(11), 6332.

Galati E, et al. (2021) VID22 counteracts G-quadruplex-induced genome instability. Nucleic acids research, 49(22), 12785.

Masson T, et al. (2021) BrdU immuno-tagged G-quadruplex ligands: a new ligand-guided immunofluorescence approach for tracking G-quadruplexes in cells. Nucleic acids research, 49(22), 12644.

Li C, et al. (2021) Ligand-induced native G-quadruplex stabilization impairs transcription initiation. Genome research, 31(9), 1546.

Jurikova K, et al. (2020) Role of folding kinetics of secondary structures in telomeric G-overhangs in the regulation of telomere maintenance in Saccharomyces cerevisiae. The Journal of biological chemistry, 295(27), 8958.

Asamitsu S, et al. (2020) Identification and immunohistochemical characterization of G-quadruplexes in mouse brain. Biochemical and biophysical research communications, 531(1), 67.