

Resource Summary Report

Generated by [nidm-terms](#) on Aug 9, 2026

BE4-Gam

RRID:Addgene_100806

Type: Plasmid

Proper Citation

RRID:Addgene_100806

Plasmid Information

URL: <http://www.addgene.org/100806>

Proper Citation: RRID:Addgene_100806

Insert Name: BE4-Gam

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:28875174](#)

Vector Backbone Description: Backbone Size:3402; Vector Backbone:pCMV; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: BE4-Gam

Record Creation Time: 20220422T221450+0000

Record Last Update: 20260808T080307+0000

Ratings and Alerts

No rating or validation information has been found for BE4-Gam.

No alerts have been found for BE4-Gam.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 20 mentions in open access literature.

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

Sun Y, et al. (2025) Deep learning models simultaneously trained on multiple datasets improve base-editing activity prediction. *Nature communications*, 16(1), 9821.

Araki K, et al. (2024) Non-canonical olfactory pathway activation induces cell fusion of cervical cancer cells. *Neoplasia (New York, N.Y.)*, 57, 101044.

Hiramoto T, et al. (2023) PAM-flexible Cas9-mediated base editing of a hemophilia B mutation in induced pluripotent stem cells. *Communications medicine*, 3(1), 56.

Li Q, et al. (2023) Base editing-mediated one-step inactivation of the Dnmt gene family reveals critical roles of DNA methylation during mouse gastrulation. *Nature communications*, 14(1), 2922.

Zhang B, et al. (2023) An HBV susceptibility variant of KNG1 modulates the therapeutic effects of interferons α and β in HBV infection by promoting MAVS lysosomal degradation. *EBioMedicine*, 94, 104694.

Thumberger T, et al. (2022) Boosting targeted genome editing using the hei-tag. *eLife*, 11.

Tao J, et al. (2022) Frequency and mechanisms of LINE-1 retrotransposon insertions at CRISPR/Cas9 sites. *Nature communications*, 13(1), 3685.

Guyon A, et al. (2021) Base editing strategy for insertion of the A673T mutation in the APP gene to prevent the development of AD in vitro. *Molecular therapy. Nucleic acids*, 24, 253.

Papke CM, et al. (2021) A disorder-related variant (E420K) of a PP2A-regulatory subunit (PPP2R5D) causes constitutively active AKT-mTOR signaling and uncoordinated cell growth. *The Journal of biological chemistry*, 296, 100313.

Zhang N, et al. (2021) Identification and characterization of a novel mutant isocitrate dehydrogenase 1 inhibitor for glioma treatment. *Biochemical and biophysical research communications*, 551, 38.

Rosello M, et al. (2021) Precise base editing for the in vivo study of developmental signaling and human pathologies in zebrafish. *eLife*, 10.

Yuan H, et al. (2020) Efficient base editing by RNA-guided cytidine base editors (CBEs) in pigs. *Cellular and molecular life sciences : CMLS*, 77(4), 719.

Zhang W, et al. (2020) Multiplex precise base editing in cynomolgus monkeys. *Nature communications*, 11(1), 2325.

Liu Z, et al. (2020) Efficient base editing with high precision in rabbits using YFE-BE4max. *Cell death & disease*, 11(1), 36.

Smith CJ, et al. (2020) Enabling large-scale genome editing at repetitive elements by reducing DNA nicking. *Nucleic acids research*, 48(9), 5183.

Liu Z, et al. (2019) Expanded targeting scope and enhanced base editing efficiency in rabbit using optimized xCas9(3.7). Cellular and molecular life sciences : CMLS, 76(20), 4155.

Li B, et al. (2019) A qPCR method for genome editing efficiency determination and single-cell clone screening in human cells. Scientific reports, 9(1), 18877.

Standage-Beier K, et al. (2019) A transient reporter for editing enrichment (TREE) in human cells. Nucleic acids research, 47(19), e120.

Lu Y, et al. (2019) Mutations of GADD45G in rabbits cause cleft lip by the disorder of proliferation, apoptosis and epithelial-mesenchymal transition (EMT). Biochimica et biophysica acta. Molecular basis of disease, 1865(9), 2356.

Liu Z, et al. (2018) Highly efficient RNA-guided base editing in rabbit. Nature communications, 9(1), 2717.