

Resource Summary Report

Generated by [RRID](#) on Aug 31, 2026

YE1-BE4max-NG

RRID:Addgene_138159

Type: Plasmid

Proper Citation

RRID:Addgene_138159

Plasmid Information

URL: <http://www.addgene.org/138159>

Proper Citation: RRID:Addgene_138159

Insert Name: rAPOBEC1(YE1)-nSpCas9(NG)-UGI-UGI

Organism: Synthetic; fusion of genes derived from *R. norvegicus*, *S. pyogenes*, and Bacillus phage PBS2

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:32042165](#)

Vector Backbone Description: Vector Backbone:pBR322/CMV; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: YE1-BE4max-NG

Relevant Mutation: Within rAPOBEC1 W90Y + R126E; within Cas9 D10A + L1111R + D1135V + G1218R + E1219F + A1322R + R1335V + T1337R

Record Creation Time: 20220422T221759+0000

Record Last Update: 20260829T075614+0000

Ratings and Alerts

No rating or validation information has been found for YE1-BE4max-NG.

No alerts have been found for YE1-BE4max-NG.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Liu Z, et al. (2025) Precise Correction of the Pde6b-L659P Mutation Causing Retinal Degeneration with Minimum Bystander Editing by Advanced Genome Editing Tools. Research (Washington, D.C.), 8, 0770.

Loret C, et al. (2024) CRISPR Base Editing to Create Potential Charcot-Marie-Tooth Disease Models with High Editing Efficiency: Human Induced Pluripotent Stem Cell Harboring SH3TC2 Variants. Biomedicines, 12(7).

Park JC, et al. (2023) Transition Substitution of Desired Bases in Human Pluripotent Stem Cells with Base Editors: A Step-by-Step Guide. International journal of stem cells, 16(2), 234.

Coelho MA, et al. (2023) Base editing screens map mutations affecting interferon-?? signaling in cancer. Cancer cell, 41(2), 288.

Pan JS, et al. (2021) Application of the modified cytosine base-editing in the cultured cells of bama minipig. Biotechnology letters, 43(9), 1699.