

Resource Summary Report

Generated by [RRID](#) on Aug 22, 2026

pBABE-puro-NLS-LSSmKate2

RRID:Addgene_34586

Type: Plasmid

Proper Citation

RRID:Addgene_34586

Plasmid Information

URL: <http://www.addgene.org/34586>

Proper Citation: RRID:Addgene_34586

Insert Name: NLS-LSS-mKate2

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:20212155](#)

Vector Backbone Description: Backbone Size:5169; Vector Backbone:pBABE-puro; Vector Types:Mammalian Expression, Retroviral; Bacterial Resistance:Ampicillin

Comments: There is an 18bp deletion in Addgene's sequencing results relative to the full plasmid sequence (at position 2174-2192bp). This region is immediately after the LSS-mKate2 gene and is not critical for plasmid performance. There is also a single nucleotide mismatch that results in an F22S change in the linker between the NLS and LSS-mKate2. It should not have any effect on the fusion performance. Two other mismatches do not alter amino acid sequence.

Plasmid Name: pBABE-puro-NLS-LSSmKate2

Relevant Mutation: K69Y/P131T/S148G/M167D/T183S/M196V compared to mKate but numbering is relative to EGFP.

Record Creation Time: 20220422T222147+0000

Record Last Update: 20260815T081353+0000

Ratings and Alerts

No rating or validation information has been found for pBABE-puro-NLS-LSSmKate2.

No alerts have been found for pBABE-puro-NLS-LSSmKate2.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Boon K, et al. (2023) REGA-SIGN: Development of a Novel Set of NanoBRET-Based G Protein Biosensors. Biosensors, 13(8).