

# Resource Summary Report

Generated by [kravitz2](#) on Aug 10, 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:** 20260808T081548+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.

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## Data and Source Information

**Source:** [Addgene](#)

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## Usage and Citation Metrics

We found 1 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [kravitz2](#) .

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