

Resource Summary Report

Generated by [RRID](#) on Aug 18, 2026

pCAG-hMb3Cas12a-NLS(nucleoplasmin)-3xHA (RTW2500)

RRID:Addgene_115142

Type: Plasmid

Proper Citation

RRID:Addgene_115142

Plasmid Information

URL: <http://www.addgene.org/115142>

Proper Citation: RRID:Addgene_115142

Insert Name: human codon optimized Mb3Cas12a

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:30190308](#)

Vector Backbone Description: Backbone Marker:Cepko lab (Addgene Plasmid #11179); Vector Backbone:pCAG (Addgene #11179); Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pCAG-hMb3Cas12a-NLS(nucleoplasmin)-3xHA (RTW2500)

Record Creation Time: 20220422T221603+0000

Record Last Update: 20260815T080231+0000

Ratings and Alerts

No rating or validation information has been found for pCAG-hMb3Cas12a-NLS(nucleoplasmin)-3xHA (RTW2500).

No alerts have been found for pCAG-hMb3Cas12a-NLS(nucleoplasmin)-3xHA (RTW2500).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Wolf B, et al. (2025) Rational engineering of allosteric protein switches by in silico prediction of domain insertion sites. Nature methods, 22(8), 1698.

Varela-Castillo P, et al. (2025) Highly Efficient Site-Specific and Cassette Mutagenesis of Plasmids Harboring GC-Rich Sequences. Cells, 14(24).