

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

INCTbiosyn-pUB-HspINT7

RRID:Addgene_127515

Type: Plasmid

Proper Citation

RRID:Addgene_127515

Plasmid Information

URL: <http://www.addgene.org/127515>

Proper Citation: RRID:Addgene_127515

Insert Name: Integrase 7 coding sequence codon optimized for H. sapiens expression.

Organism: Other

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:32444777](#)

Vector Backbone Description: Vector Backbone:pUB-GFP; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: The integrase 7 coding sequence was synthesized and cloned into pUB-GFP plasmid (Addgene #11155) replacing the EGFP coding sequence. The original integrase coding sequence (before H. sapiens codon optimization) was obtained from Yang, L. et al. Nat. Methods 11, 1261-1266 (2014). The related two SNPs mutations were due to the synthesis building process. The resulted gene coding sequence was the only one possible to be obtained by the synthesis company.

Plasmid Name: INCTbiosyn-pUB-HspINT7

Relevant Mutation: In 2126 position an G mutated for an T changed the amino acid from an Glycine for an Cysteine; and in 2526 position an A mutated for an G changed an Tyrosine for an Cysteine.

Record Creation Time: 20220422T221709+0000

Record Last Update: 20260725T073742+0000

Ratings and Alerts

No rating or validation information has been found for INCTbiosyn-pUB-HspINT7.

No alerts have been found for INCTbiosyn-pUB-HspINT7.

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 [NIF](#) .

de Oliveira MA, et al. (2024) Protocol for the establishment of a serine integrase-based platform for functional validation of genetic switch controllers in eukaryotic cells. PloS one, 19(5), e0303999.