

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 30, 2026

pBudORF2-CH

RRID:Addgene_51289

Type: Plasmid

Proper Citation

RRID:Addgene_51289

Plasmid Information

URL: <http://www.addgene.org/51289>

Proper Citation: RRID:Addgene_51289

Insert Name: L1 ORF2

Organism: Homo sapiens

Bacterial Resistance: Bleocin (Zeocin)

Defining Citation: [PMID:21572950](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:4595; Vector Backbone:pBudCE4.1; Vector Types:Mammalian Expression; Bacterial Resistance:Bleocin (Zeocin)

Comments: This plasmid was created using the codon optimized L1RP as a source for the ORF2 coding sequence.

Plasmid Name: pBudORF2-CH

Record Creation Time: 20220422T222302+0000

Record Last Update: 20260829T080638+0000

Ratings and Alerts

No rating or validation information has been found for pBudORF2-CH.

No alerts have been found for pBudORF2-CH.

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 [PRECISE-TBI](#) .

Nicodemus J, et al. (2025) Sequence Diversity and Encoded Enzymatic Differences of Monocistronic L1 ORF2 mRNA Variants in the Aged Normal and Alzheimer's Disease Brain. The Journal of neuroscience : the official journal of the Society for Neuroscience, 45(25).

Pavlová Š, et al. (2025) Hypomethylating agents increase L1 retroelement expression without inducing novel insertions in myeloid malignancies. Molecular oncology, 19(10), 2764.