

Resource Summary Report

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pDONR201-JIP60ml

RRID:Addgene_104959

Type: Plasmid

Proper Citation

RRID:Addgene_104959

Plasmid Information

URL: <http://www.addgene.org/104959>

Proper Citation: RRID:Addgene_104959

Insert Name: Jasmonate Induced Protein 60 (JIP60)

Organism: Hordeum vulgare c.v. Golden Promise

Bacterial Resistance: Kanamycin

Vector Backbone Description: Backbone Marker:Gateway; Backbone Size:4470; Vector Backbone:pDONR201; Vector Types:Gateway entry vector for LR recombination into other Gateway compatible vectors; Bacterial Resistance:Kanamycin

Comments: Pennington, H.G., Jones, R., Przydacz, M. and Spanu, P. An active form of Jasmonate Induced Protein 60 (JIP60) from Hordeum vulgare cv. Golden Promise. Figshare (2018). 10.6084/m9.figshare.5625607

Plasmid Name: pDONR201-JIP60ml

Relevant Mutation: Replaced amino acids 164 to 187 with a methionine, leucine, aspartic acid & proline (MLDP) linker, and removed the C-terminus (amino acids 165 onwards). Both changes are required for JIP60's post-translational activity. Mak et al., (2007) had previously shown that the linker removal was required to produce an active form of maize ribosome-inactivating protein (b-32).Mak, A. N.-S., et al (2007) "Structure-function study of maize ribosome-inactivating protein: implications for the internal inactivation region and the sole glutamate in the active site", Nucleic Acids Research, 35(18), 6259-6267.

Record Creation Time: 20220422T221509+0000

Record Last Update: 20260808T080337+0000

Ratings and Alerts

No rating or validation information has been found for pDONR201-JIP60ml.

No alerts have been found for pDONR201-JIP60ml.

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 [nidm-terms](#) .

Xia C, et al. (2023) The ubiquitin specific protease 7 stabilizes HPV16E7 to promote HPV-mediated carcinogenesis. Cellular and molecular life sciences : CMLS, 80(10), 278.