Resource Summary Report

Generated by RRID on Aug 19, 2026

pDONR223-JAK2

RRID:Addgene_23915
Type: Plasmid

Proper Citation

RRID:Addgene_23915

Plasmid Information

URL: http://www.addgene.org/23915

Proper Citation: RRID:Addgene_23915

Insert Name: JAK2

Organism: Homo sapiens

Bacterial Resistance: Spectinomycin

Defining Citation: PMID:21107320

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5005; Vector Backbone:pDONR223; Vector Types:Gateway Cloning; Bacterial Resistance:Spectinomycin

Comments: Do NOT use this plasmid directly for transfections. A set of 4 custom lentiviral vectors is available (pLX301 (http://www.addgene.org/25895/) , pLX302 (http://www.addgene.org/25896/) , pLX303 (http://www.addgene.org/25897/) , pLX304 (http://www.addgene.org/25890/)) to be used to express these ORFs in mammalian cells. These plasmids are not included in the kit and must be ordered separately.

Plasmid Name: pDONR223-JAK2

Record Creation Time: 20220422T222107+0000

Record Last Update: 20260815T081226+0000

Ratings and Alerts

No rating or validation information has been found for pDONR223-JAK2.

No alerts have been found for pDONR223-JAK2.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 6 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Soderholm A, et al. (2025) ERH regulates type II interferon immune signaling through post-transcriptional regulation of JAK2 mRNA. Nucleic acids research, 53(12).

Dvo?á?ek L, et al. (2023) A novel germline hyperactivating JAK2 mutation L604F. Annals of hematology, 102(10), 2725.

Nguyen TT, et al. (2021) Mutations in the IFN?-JAK-STAT Pathway Causing Resistance to Immune Checkpoint Inhibitors in Melanoma Increase Sensitivity to Oncolytic Virus Treatment. Clinical cancer research : an official journal of the American Association for Cancer Research, 27(12), 3432.

Wang W, et al. (2021) Stromal induction of BRD4 phosphorylation Results in Chromatin Remodeling and BET inhibitor Resistance in Colorectal Cancer. Nature communications, 12(1), 4441.

Gruber CN, et al. (2020) Complex Autoinflammatory Syndrome Unveils Fundamental Principles of JAK1 Kinase Transcriptional and Biochemical Function. Immunity, 53(3), 672.

Wang S, et al. (2017) JAK2-binding long noncoding RNA promotes breast cancer brain metastasis. The Journal of clinical investigation, 127(12), 4498.