

Resource Summary Report

Generated by [RRID](#) on Aug 20, 2026

pDONR223_ARNTL_WT

RRID:Addgene_82189

Type: Plasmid

Proper Citation

RRID:Addgene_82189

Plasmid Information

URL: <http://www.addgene.org/82189>

Proper Citation: RRID:Addgene_82189

Insert Name: ARNTL

Organism: Homo sapiens

Bacterial Resistance: Spectinomycin

Defining Citation: [PMID:27147599](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:2790; Vector Backbone:pDONR223; Vector Types:Gateway Cloning; Bacterial Resistance:Spectinomycin

Comments: Open state: NO stop codon immediately follows insert. Supporting reference: Systematic morphological profiling of human gene and allele function via Cell Painting. Rohban MH, et al. Elife. 2017, Mar 18;6. pii: e24060. PubMed PMID 28315521

Plasmid Name: pDONR223_ARNTL_WT

Relevant Mutation: WT

Record Creation Time: 20220422T222534+0000

Record Last Update: 20260815T082054+0000

Ratings and Alerts

No rating or validation information has been found for pDONR223_ARNTL_WT.

No alerts have been found for pDONR223_ARNTL_WT.

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 [RRID](#) .

Gwon DH, et al. (2020) BMAL1 Suppresses Proliferation, Migration, and Invasion of U87MG Cells by Downregulating Cyclin B1, Phospho-AKT, and Metalloproteinase-9. International journal of molecular sciences, 21(7).