

Resource Summary Report

Generated by [RRID](#) on Aug 26, 2026

pDONR223-EPHA2

RRID:Addgene_23926

Type: Plasmid

Proper Citation

RRID:Addgene_23926

Plasmid Information

URL: <http://www.addgene.org/23926>

Proper Citation: RRID:Addgene_23926

Insert Name: EPHA2

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: The ORF has no Stop codon. This design enables easy recombination into a destination vector to add an epitope tag of choice and Stop codon to the ORF. 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-EPHA2

Record Creation Time: 20220422T222107+0000

Record Last Update: 20260815T081227+0000

Ratings and Alerts

No rating or validation information has been found for pDONR223-EPHA2.

No alerts have been found for pDONR223-EPHA2.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Valenzuela JI, et al. (2020) Localized Intercellular Transfer of Ephrin-As by Trans-endocytosis Enables Long-Term Signaling. *Developmental cell*, 52(1), 104.

Kaibori Y, et al. (2020) Kinase activity-independent role of EphA2 in the regulation of M-phase progression. *Experimental cell research*, 395(2), 112207.

Kaibori Y, et al. (2019) EphA2 phosphorylation at Ser897 by the Cdk1/MEK/ERK/RSK pathway regulates M-phase progression via maintenance of cortical rigidity. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 33(4), 5334.

Zhou Z, et al. (2018) Oncogenic Kinase-Induced PKM2 Tyrosine 105 Phosphorylation Converts Nononcogenic PKM2 to a Tumor Promoter and Induces Cancer Stem-like Cells. *Cancer research*, 78(9), 2248.

Subbarayal P, et al. (2015) EphrinA2 receptor (EphA2) is an invasion and intracellular signaling receptor for *Chlamydia trachomatis*. *PLoS pathogens*, 11(4), e1004846.