

Resource Summary Report

Generated by [RRID](#) on Aug 19, 2026

AdEasier-1 cells (strain)

RRID:Addgene_16399

Type: Plasmid

Proper Citation

RRID:Addgene_16399

Plasmid Information

URL: <http://www.addgene.org/16399>

Proper Citation: RRID:Addgene_16399

Insert Name: AdEasier-1 bacterial cells

Organism: E. coli

Bacterial Resistance: Ampicillin and Streptomycin

Defining Citation: [PMID:9482916](#)

Vector Backbone Description: Backbone Size:0; Vector Backbone:n/a; Vector Types;; Bacterial Resistance:Ampicillin and Streptomycin

Comments: AdEasier-1 cells are BJ5183 derivatives which already contain the AdEasy-1 plasmid. Please note that you cannot isolate AdEasy-1 from this strain. Please see Plasmid #16400 if you only want the plasmid. In order to generate recombinant vectors ready to transfer into 293 cells, one simply has to transform the AdEasier-1 cells with a shuttle vector (such as pAdTrack-CMV) containing the gene of interest, and then proceed as with the standard AdEasy system. AdEasier is a trademark of the Johns Hopkins University.

Plasmid Name: AdEasier-1 cells (strain)

Record Creation Time: 20220422T221927+0000

Record Last Update: 20260815T080917+0000

Ratings and Alerts

No rating or validation information has been found for AdEasier-1 cells (strain).

No alerts have been found for AdEasier-1 cells (strain).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 17 mentions in open access literature.

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

Li Y, et al. (2026) The desmoglein 2 interactome in primary neonatal cardiomyocytes. *Journal of cell science*, 139(3).

Li Y, et al. (2025) The Desmoglein 2 interactome in primary neonatal cardiomyocytes. *bioRxiv : the preprint server for biology*.

Bredow C, et al. (2024) ISG15 blocks cardiac glycolysis and ensures sufficient mitochondrial energy production during Coxsackievirus B3 infection. *Cardiovascular research*, 120(6), 644.

Perera DJ, et al. (2023) BCG administration promotes the long-term protection afforded by a single-dose intranasal adenovirus-based SARS-CoV-2 vaccine. *iScience*, 26(9), 107612.

Artarini A, et al. (2023) Development of Adenovirus-Based Covid-19 Vaccine Candidate in Indonesia. *Molecular biotechnology*, 1.

Francis CR, et al. (2022) Capturing membrane trafficking events during 3D angiogenic development in vitro. *Microcirculation (New York, N.Y. : 1994)*, 29(6-7), e12726.

Perera DJ, et al. (2022) A low dose adenovirus vectored vaccine expressing *Schistosoma mansoni* Cathepsin B protects from intestinal schistosomiasis in mice. *EBioMedicine*, 80, 104036.

Francis CR, et al. (2022) Rab35 governs apicobasal polarity through regulation of actin dynamics during sprouting angiogenesis. *Nature communications*, 13(1), 5276.

Dumitrescu M, et al. (2021) An Efficient Method for Adenovirus Production. *Journal of visualized experiments : JoVE*(172).

Webb AM, et al. (2021) EHD2 modulates Dll4 endocytosis during blood vessel development. *Microcirculation (New York, N.Y. : 1994)*, 29(1), e12740.

Demmings MD, et al. (2021) Activating transcription factor-4 promotes neuronal death induced by Parkinson's disease neurotoxins and α -synuclein aggregates. *Cell death and differentiation*, 28(5), 1627.

Hancock MH, et al. (2021) Human Cytomegalovirus UL7, miR-US5-1, and miR-UL112-3p Inactivation of FOXO3a Protects CD34+ Hematopoietic Progenitor Cells from Apoptosis. *mSphere*, 6(1).

Dumitrescu M, et al. (2021) K2 Transfection System Boosts the Adenoviral Transduction of Murine Mesenchymal Stromal Cells. *International journal of molecular sciences*, 22(2).

Perera DJ, et al. (2021) Promising Technologies in the Field of Helminth Vaccines. *Frontiers in immunology*, 12, 711650.

Dumitrescu M, et al. (2020) Adenovirus-Mediated FasL Minigene Transfer Endows Transduced Cells with Killer Potential. *International journal of molecular sciences*, 21(17).

Walter S, et al. (2019) The metalloprotease ADAMTS4 generates N-truncated A β 4-x species and marks oligodendrocytes as a source of amyloidogenic peptides in Alzheimer's disease. *Acta neuropathologica*, 137(2), 239.

Li Y, et al. (2019) The N-cadherin interactome in primary cardiomyocytes as defined using quantitative proximity proteomics. *Journal of cell science*, 132(3).