

Resource Summary Report

Generated by [RRID](#) on Sep 3, 2026

HEK293T PIEZO1 KO

RRID:CVCL_D4Z8

Type: Cell Line

Proper Citation

ATCC Cat# CRL-3519, RRID:CVCL_D4Z8

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_D4Z8

Proper Citation: ATCC Cat# CRL-3519, RRID:CVCL_D4Z8

Description: Cell line HEK293T PIEZO1 KO is a Transformed cell line with a species of origin Homo sapiens (Human)

Sex: Female

Defining Citation: [PMID:26387913](#)

Category: Transformed cell line

Organism: Homo sapiens (Human)

Name: HEK293T PIEZO1 KO

Synonyms: HEK-P1KO, Piezo1 knock-out HEK293T

Cross References: ATCC:CRL-3519, Wikidata:Q127381678

ID: CVCL_D4Z8

Vendor: ATCC

Catalog Number: CRL-3519

Hierarchy: cvcl_0063

Record Creation Time: 20250130T071619+0000

Record Last Update: 20260830T001608+0000

Ratings and Alerts

No rating or validation information has been found for HEK293T PIEZO1 KO.

No alerts have been found for HEK293T PIEZO1 KO.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Tang X, et al. (2026) Mathematical modeling of ribosome competition informs testable treatment strategies for drug-tolerant cancer persister cells. *iScience*, 29(4), 115493.

Liu J, et al. (2026) Optogenetic manipulation of estrogen receptor signaling to improve estrogen deficiency. *iScience*, 29(3), 115105.

Lu X, et al. (2025) E3 ligase SYVN1-mediated polyubiquitination of CPSF6 promotes alternative polyadenylation and antiviral effects of macrophages. *Cell reports*, 44(2), 115276.

Bai R, et al. (2025) Single-cut gene therapy in a one-step generated rhesus monkey model of Duchenne muscular dystrophy. *Cell reports. Medicine*, 6(4), 102037.

Liu T, et al. (2025) STT3A-mediated mega protein complex assembly during dengue and Zika virus infection. *iScience*, 28(6), 112535.

Fu S, et al. (2025) Human TMC1 and TMC2 are mechanically gated ion channels. *Neuron*, 113(3), 411.