

# Resource Summary Report

Generated by [RRID](#) on Sep 6, 2026

## Flp-In-293

RRID:CVCL\_U421

Type: Cell Line

### Proper Citation

RRID:CVCL\_U421

### Cell Line Information

**URL:** [https://web.expasy.org/cellosaurus/CVCL\\_U421](https://web.expasy.org/cellosaurus/CVCL_U421)

**Proper Citation:** RRID:CVCL\_U421

**Description:** Cell line Flp-In-293 is a Transformed cell line with a species of origin Homo sapiens (Human)

**Sex:** Female

**Category:** Transformed cell line

**Organism:** Homo sapiens (Human)

**Name:** Flp-In-293

**Synonyms:** Flp-In 293, 293 Flp-In, HEK-293-Flp-In

**Cross References:** EFO:EFO\_0022568, ChEMBL-Cells:ChEMBL3989342, PubChem\_Cell\_line:CVCL\_U421, Wikidata:Q54835004

**ID:** CVCL\_U421

**Hierarchy:** cvcl\_0045

**Record Creation Time:** 20220427T215850+0000

**Record Last Update:** 20260905T175334+0000

### Ratings and Alerts

No rating or validation information has been found for Flp-In-293.

No alerts have been found for Flp-In-293.

## Data and Source Information

**Source:** [CelloSaurus](#)

## Usage and Citation Metrics

We found 19 mentions in open access literature.

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

Micka M, et al. (2026) A Wnt-induced conformational phospho-switch in DVL3 controls association with Frizzled receptors and Wnt/ $\beta$ -catenin signaling. *Science advances*, 12(20), eaed8899.

Garcia AM, et al. (2025) High-throughput screening identifies a novel small-molecule modulator of Hsp70 that selectively enhances ubiquitination and degradation of misfolded neuronal NO synthase. *Molecular pharmacology*, 107(2), 100008.

Dehkhoda F, et al. (2025) Constitutive ghrelin receptor activity enables reversal of dopamine D2 receptor signaling. *Molecular cell*, 85(11), 2246.

Stoldt S, et al. (2025) Super-resolution microscopy of mitochondrial mRNAs. *Nature communications*, 16(1), 6391.

Poerschke S, et al. (2024) Identification of TMEM126A as OXA1L-interacting protein reveals cotranslational quality control in mitochondria. *Molecular cell*, 84(2), 345.

He F, et al. (2024) Allosteric modulation and G-protein selectivity of the Ca<sup>2+</sup>-sensing receptor. *Nature*, 626(8001), 1141.

Stewart H, et al. (2023) The SARS-CoV-2 protein ORF3c is a mitochondrial modulator of innate immunity. *iScience*, 26(11), 108080.

Nakayama S, et al. (2023) Klotho protects chromosomal DNA from radiation-induced damage. *Journal of biochemistry*, 173(5), 375.

Tammer L, et al. (2022) Gene architecture directs splicing outcome in separate nuclear spatial regions. *Molecular cell*, 82(5), 1021.

Kierzek M, et al. (2021) Simultaneous recording of multiple cellular signaling events by frequency- and spectrally-tuned multiplexing of fluorescent probes. *eLife*, 10.

Yang J, et al. (2021) A synthetic circuit for buffering gene dosage variation between individual mammalian cells. *Nature communications*, 12(1), 4132.

Cruz-Zaragoza LD, et al. (2021) An in vitro system to silence mitochondrial gene expression. *Cell*, 184(23), 5824.

Dennerlein S, et al. (2021) Defining the interactome of the human mitochondrial ribosome identifies SMIM4 and TMEM223 as respiratory chain assembly factors. *eLife*, 10.

Pleiner T, et al. (2021) WNK1 is an assembly factor for the human ER membrane protein complex. *Molecular cell*, 81(13), 2693.

Banks CAS, et al. (2020) Integrative Modeling of a Sin3/HDAC Complex Sub-structure. *Cell reports*, 31(2), 107516.

Gomkale R, et al. (2020) Defining the Substrate Spectrum of the TIM22 Complex Identifies Pyruvate Carrier Subunits as Unconventional Cargos. *Current biology : CB*, 30(6), 1119.

Phu L, et al. (2020) Dynamic Regulation of Mitochondrial Import by the Ubiquitin System. *Molecular cell*, 77(5), 1107.

Fujita S, et al. (2019) Identification of drug transporters contributing to oxaliplatin-induced peripheral neuropathy. *Journal of neurochemistry*, 148(3), 373.

Aich A, et al. (2018) COX16 promotes COX2 metallation and assembly during respiratory complex IV biogenesis. *eLife*, 7.