

Resource Summary Report

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

HEK293

RRID:CVCL_0045

Type: Cell Line

Proper Citation

CancerTools Cat# 154153, RRID:CVCL_0045

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0045

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Description: Cell line HEK293 is a Transformed cell line with a species of origin Homo sapiens (Human)

Sex: Female

Defining Citation: [PMID:886304](#), [PMID:9217065](#), [PMID:11416159](#), [PMID:15218237](#), [PMID:16957166](#), [PMID:21214938](#), [PMID:21269460](#), [PMID:21502043](#), [PMID:22278370](#), [PMID:23325432](#), [PMID:24618588](#), [PMID:25182477](#), [PMID:25807930](#), [PMID:25894527](#), [PMID:25903999](#), [PMID:25960936](#), [PMID:27233776](#), [PMID:27577262](#), [PMID:28196595](#), [PMID:29660373](#), [PMID:30260228](#), [PMID:32302230](#), [PMID:35339896](#)

Comments: Biotechnology: Used for the production of the Gamaleya SARS-CoV-2 (COVID-19) vaccine (Trade name: Gam-COVID-Vac; also known as Sputnik V) (DrugBank=DB15848). Cautio., Part of: MD Anderson Cell Lines Project., Part of: Human Protein Atlas, Cell Atlas panel., Part of: ENCODE project common cell types; tier 3., Group: Vaccine production cell line.

Category: Transformed cell line

Organism: Homo sapiens (Human)

Name: HEK293

Synonyms: Hek293, HEK-293, HEK/293, (HEK)293, HEK 293, HEK;293, 293, 293 HEK, 293 Ad5, Graham 293, Graham-293, Human Embryonic Kidney 293

Cross References: BTO:BTO_0000007, CLO:CLO_0001230, CLO:CLO_0050903, EFO:EFO_0001182, MCCL:MCC:0000006, CLDB:cl45, CLDB:cl46, CLDB:cl47, CLDB:cl7133, 4DN:4DNSRVF4XB1F, Abcam:ab259776, Abcam:ab277915,

AddexBio:T0011001/76, ATCC:CRL-1573, BCRC:60019, BCRJ:0009, BEI_Resources:ARP-103, BEI_Resources:NR-9313, BioGRID_ORCS_Cell_line:293, BioSample:SAMN03471398, BioSample:SAMN03473347, BioSamples:SAMEA2018185, CancerTools:154153, CCLV:CCLV-RIE 0197, CCRID:1101HUM-PUMC000010, CCRID:1102HUM-NIFDC00005, CCRID:3101HUMGNHu18, CCRID:3101HUMGNHu43, CCRID:4201HUM-CCTCC00067, CCRID:5301HUM-KCB09071YJ, CCTCC:GDC0067, ChEMBL-Cells:ChEMBL3307715, ChEMBL-Targets:ChEMBL614818, CLS:300192, DSMZ:ACC-305, DSMZCellDive:ACC-305, ECACC:85120602, ENCODE:ENCBS022BLS, ENCODE:ENCBS037XHS, ENCODE:ENCBS209KHO, ENCODE:ENCBS253HIE, ENCODE:ENCBS264HQL, ENCODE:ENCBS375ENC, ENCODE:ENCBS393ENC, ENCODE:ENCBS421ENC, ENCODE:ENCBS439ENC, ENCODE:ENCBS479AAA, ENCODE:ENCBS480AAA, ENCODE:ENCBS481AAA, ENCODE:ENCBS482AAA, ENCODE:ENCBS483AAA, ENCODE:ENCBS484AAA, ENCODE:ENCBS486AAA, ENCODE:ENCBS522ENC, ENCODE:ENCBS523ENC, ENCODE:ENCBS613RZL, ENCODE:ENCBS906GPZ, FCS-free:6-2-284-1-4-3, FCS-free:6-2-345-1-4-12, FCS-free:6-2-372-1-16-3, FCS-free:6-2-381-1-4-3, FCS-free:6-2-409-1-16-12, FCS-free:6-2-42-1-8-11, FCS-free:6-2-421-2-4-7, FCS-free:6-2-45-1-8-3, FCS-free:6-2-46-1-8-11, FCS-free:6-2-503-1-3-3, FCS-free:6-2-533-1-4-12, FCS-free:6-2-570-3-17-1, FCS-free:6-2-586-1-18-2, FCS-free:6-2-7-1-4-3, GEO:GSM580027, GEO:GSM580028, GEO:GSM635701, GEO:GSM635702, GEO:GSM635703, GEO:GSM635704, GEO:GSM651571, GEO:GSM749668, GEO:GSM749687, GEO:GSM749767, GEO:GSM945256, GEO:GSM945288, GEO:GSM1374525, GEO:GSM7701365, GEO:GSM7701366, IBRC:C10139, ICLC:HTL03003, IZSLER:BS CL 129, JCRB:JCRB9068, KCB:KCB 200408YJ, KCB:KCB 200971YJ, KCLB:21573, Lonza:46, MeSH:D057809, MetaboLights:MTBLS102, MetaboLights:MTBLS156, MetaboLights:MTBLS737, NCBI_Iran:C497, PRIDE:PXD000589, PRIDE:PXD000623, PRIDE:PXD000680, PRIDE:PXD000933, PRIDE:PXD000953, PRIDE:PXD001468, PRIDE:PXD001511, PRIDE:PXD001711, PRIDE:PXD001863, PRIDE:PXD002383, PRIDE:PXD002389, PRIDE:PXD002395, PRIDE:PXD002601, PRIDE:PXD002613, PRIDE:PXD002676, PRIDE:PXD003310, PRIDE:PXD003370, PRIDE:PXD003700, PRIDE:PXD003896, PRIDE:PXD005535, PRIDE:PXD005955, PRIDE:PXD009668, PRIDE:PXD014771, PRIDE:PXD017977, PRIDE:PXD030601, PubChem_Cell_line:CVCL_0045, RCB:RCB1637, TKG:TKG 0306, TOKU-E:31, Ubigen:YC-A008, Wikidata:Q489618

ID: CVCL_0045

Vendor: CancerTools

Catalog Number: 154153

Record Creation Time: 20250423T100359+0000

Record Last Update: 20260905T185116+0000

Ratings and Alerts

No rating or validation information has been found for HEK293.

No alerts have been found for HEK293.

Data and Source Information

Usage and Citation Metrics

We found 35708 mentions in open access literature.

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

Zhao B, et al. (2026) XPC Deficiency Activate Cisplatin-Mediated Autophagy in Bladder Cancer by Limiting Novel PHRF1-Mediated Ubiquitination of the p53 Protein. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(5), e17563.

Baars B, et al. (2026) RAS Mutation-Specific Responses to Paralog- and State-Selective RAS Inhibitors. *Molecular cancer research : MCR*, 24(1), 60.

Shaheen MT, et al. (2026) The Lysine Demethylase KDM4C Is an Oncogenic Driver and Regulates ERK Activity in KRAS-Mutant Pancreatic Ductal Adenocarcinoma. *Cancer research communications*, 6(1), 245.

Krantz S, et al. (2026) Dissection of G?s and Hedgehog Signaling Cross-talk Reveals Therapeutic Opportunities to Target Hedgehog-Dependent Tumors. *Cancer research*, 86(4), 940.

Schüß C, et al. (2026) The pathway-independent positive allosteric modulator C1 allows for the identification of active Y4 receptor relevant positions. *Cellular and molecular life sciences : CMLS*, 83(1), 74.

Lueck J, et al. (2026) Dimerization-dependent gel-like condensation with dsDNA underpins the activation of human cGAS. *Cell reports*, 45(2), 116920.

Wu S, et al. (2026) MKOP002, a novel bifunctional ?-/?-opioid decapeptide with G protein-biased ?-opioid agonism, exhibits antinociceptive and antipruritic activities. *Biochemical pharmacology*, 246, 117755.

Li L, et al. (2026) RNF115-Tollip coordination mediates selective autophagic degradation of N protein during PEDV infection. *International journal of biological macromolecules*, 346, 150448.

Li C, et al. (2026) New Insights Into the Role of Polo-Like Kinase 3 in Lung Tumorigenesis. *Journal of cellular biochemistry*, 127(2), e70084.

Tran U, et al. (2026) BICC1 interacts with PKD1 and PKD2 to drive cystogenesis in ADPKD. *eLife*, 14.

Cheng J, et al. (2026) Efficacy and safety of autologous CD5-KO anti-CD5 CAR-T cells in relapsed/refractory CD5+ hematological malignancies. *Cell reports. Medicine*, 7(2), 102584.

Wirtgen VE, et al. (2026) Proximity labeling reveals non-catalytic interactions between DPP9 and ubiquitin signaling complexes. *Cellular and molecular life sciences : CMLS*, 83(1), 93.

Koh J, et al. (2026) ZNF395 Is a Hypoxia-Responsive Regulator of Mitochondrial Glutaminolysis in Clear Cell Renal Cell Carcinoma. *Cancer research*, 86(7), 1676.

Romero-Cantú HD, et al. (2026) Combining the Salt-Tolerant Plants *Limonium algarvense* Erben and *Polygonum maritimum* L. Promotes Synergistic Bioactivities for Enhanced Cosmetic Applications. *Chemistry & biodiversity*, 23(1), e03370.

Lim Suan MB, et al. (2026) Identification and engineering of highly functional potyviral proteases in cells using co-evolutionary models. *Nature communications*, 17(1).

Walsh KE, et al. (2026) CPSF73 activation and 3' RNA polymerase II pausing are lost during readthrough transcription after heat shock. *Cell reports*, 45(3), 117039.

Llorente-González C, et al. (2026) MYH9 mutations differentially stabilize non-muscle myosin II filaments and induce distinct cellular aggregation phenotypes. *Cellular and molecular life sciences : CMLS*, 83(1).

Mittal A, et al. (2026) Evolutionary-guided advanced deep-learning architecture powers mammalian GPCRome agonist predictions. *Cell reports*, 45(3), 117003.

Ghosh S, et al. (2026) Export of miRNAs from activated macrophages is cooperative and HuR-dependent. *FEBS letters*, 600(5), 693.

Smith ER, et al. (2026) Kinesin-1 is highly flexible and adopts an open conformation in the absence of cargo. *iScience*, 29(3), 114875.