Resource Summary Report

Generated by NIF on Aug 29, 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, Ubigene:YC-A008, Wikidata:Q489618

ID: CVCL_0045

Vendor: CancerTools

Catalog Number: 154153

Record Creation Time: 20250423T100359+0000

Record Last Update: 20260830T002732+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

Source: Cellosaurus

Usage and Citation Metrics

We found 35708 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF .

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

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.

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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.

Sri Theivakadadcham VS, et al. (2026) MRCK?? Is a Suppressor of GEF-H1/RhoA/MRTF Signaling in Tubular Cells. Cells, 15(5).

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-Gonz??lez 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).

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.

Wimmer R, et al. (2026) Two translocation mechanisms drive neural stem cell dissemination into the human fetal cortex. Neuron, 114(12), 2165.

Peng X, et al. (2026) Cars2-Mediated Cysteine Catabolism Drives Brown Fat Development and Thermogenesis Through Persulfidating EBF2. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 13(31), e22690.

Rauseo D, et al. (2026) Mitochondrial lactate venting limits oxidative stress. Cell metabolism, 38(6), 1130.

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

Munakata T, et al. (2026) Flecainide binding dynamics in voltage-gated sodium channels: A comparative isoform analysis of the state-dependent block. British journal of pharmacology, 183(15), 4145.

Yao T, et al. (2026) Marburg Virus Glycoprotein Is a Remarkable Virulent Factor Linked to Hemorrhagic Pathology: Evidence from Multimodal Experimental Systems. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 13(39), e11575.

Santos LB, et al. (2026) Identification and In Vitro Cytotoxic Evaluation of (E)-Nerolidol From Piper mollicomum Kunth Essential Oil in Breast and Lung Cancer Cell Lines. Chemistry & biodiversity, 23(5), e71331.

Schindler JC, et al. (2026) Nitric oxide drives proteomic diversity through alternative splicing. Molecular cell, 86(12), 2325.

Xu C, et al. (2026) A Novel LMX1A Frameshift Variant Underlies Familial Phenotypic Heterogeneity in DFNA7. Human mutation, 2026, 9930672.

Zhang H, et al. (2026) Structural basis for RISC assembly of human Argonaute2. Molecular cell, 86(11), 2088.

Fu Q, et al. (2026) Alternative splicing of Scn9a exon 5: mechanistic insights and therapeutic potential in pain disorders. Human molecular genetics, 35(9).