Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 8, 2025

HEK293

RRID:CVCL_0045
Type: Cell Line

Proper Citation

(Ubigene Cat# YC-A008, RRID:CVCL_0045)

Cell Line Information

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

Proper Citation: (Ubigene Cat# YC-A008, RRID:CVCL_0045)

Sex: Female

Defining Citation: PMID:886304, PMID:9217065, PMID:11416159, PMID:15218237, 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

Comments: Omics: Virome analysis using proteomics., Omics: Transcriptome analysis by RNAseq., Omics: Transcriptome analysis by microarray., Omics: Protein expression by reverse-phase protein arrays., Omics: Myristoylated proteins analysis by proteomics., Omics: Methylated arginine analysis by proteomics., Omics: Metabolome analysis., Omics: DNA methylation analysis., Omics: Genome sequenced., Omics: Deep proteome analysis., Omics: Deep antibody staining analysis., Omics: H3K4me3 ChIP-seq epigenome analysis., Omics: CTCF ChIP-seq epigenome analysis., Omics: Cell surface proteome., 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: ENCODE project common cell types; tier 3., Group: Vaccine production cell line.

Category: Transformed cell line

Name: HEK293

Synonyms: Hek293, 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, 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:6-2-7-1-4-3, FCS-free:6-2-42-1-8-11, FCS-free:6-2-45-1-8-3, FCS-free:6-2-46-1-8-11, 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:6-2-421-2-4-7, 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, 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, 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: Ubigene

Catalog Number: YC-A008

Record Creation Time: 20250131T200344+0000

Record Last Update: 20250131T201554+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 35187 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Dvorak NM, et al. (2025) Enhanced motivated behavior mediated by pharmacological targeting of the FGF14/Nav1.6?complex in nucleus accumbens neurons. Nature communications, 16(1), 110.

Huang LY, et al. (2025) Maintaining moderate levels of hypochlorous acid promotes neural stem cell proliferation and differentiation in the recovery phase of stroke. Neural regeneration research, 20(3), 845.

Hinke DM, et al. (2024) Applying valency-based immuno-selection to generate broadly cross-reactive antibodies against influenza hemagglutinins. Nature communications, 15(1), 850.

Prinz LF, et al. (2024) An anti-CD19/CTLA-4 switch improves efficacy and selectivity of CAR T cells targeting CD80/86-upregulated DLBCL. Cell reports. Medicine, 5(2), 101421.

Zhou Y, et al. (2024) Nudt21-mediated alternative polyadenylation of MZT1 3'UTR contributes to pancreatic cancer progression. iScience, 27(2), 108822.

Semino F, et al. (2024) GPD1L-A306del modifies sodium current in a family carrying the dysfunctional SCN5A-G1661R mutation associated with Brugada syndrome. Pflugers Archiv : European journal of physiology, 476(2), 229.

Robey RW, et al. (2024) The Methyltransferases METTL7A and METTL7B Confer Resistance to Thiol-Based Histone Deacetylase Inhibitors. Molecular cancer therapeutics, 23(4), 464.

Ray S, et al. (2024) A triple cysteine motif as major determinant of the modulation of neuronal KV7 channels by the paracetamol metabolite N-acetyl-p-benzo quinone imine. British journal of pharmacology, 181(16), 2851.

Qiu Y, et al. (2024) Systematic characterization of multi-omics landscape between gut microbial metabolites and GPCRome in Alzheimer's disease. Cell reports, 43(5), 114128.

Azevedo C, et al. (2024) On the covalent nature of lysine polyphosphorylation. Molecular cell, 84(9), 1811.

Hoang HTM, et al. (2024) Application of bioluminescence resonance energy transfer assays in primary mouse neuronal cultures. STAR protocols, 5(3), 103228.

Grégoire S, et al. (2024) Structural insights into an atypical histone binding mechanism by a PHD finger. Structure (London, England : 1993), 32(9), 1498.

Foran G, et al. (2024) Notch1 Phase Separation Coupled Percolation facilitates target gene expression and enhancer looping. bioRxiv : the preprint server for biology.

Ramos-Valle A, et al. (2024) Biodegradable silica nanoparticles for efficient linear DNA gene delivery. Drug delivery, 31(1), 2385376.

Hillen H, et al. (2024) A Novel Irreversible TEAD Inhibitor, SWTX-143, Blocks Hippo Pathway Transcriptional Output and Causes Tumor Regression in Preclinical Mesothelioma Models. Molecular cancer therapeutics, 23(1), 3.

Haag F, et al. (2024) Petrol Note in Riesling - 1,1,6-Trimethyl-1,2-dihydronaphthalene (TDN) Selectively Activates Human Odorant Receptor OR8H1. Journal of agricultural and food chemistry, 72(9), 4888.

Li Q, et al. (2024) TET2 regulation of alcoholic fatty liver via Srebp1 mRNA in paraspeckles. iScience, 27(3), 109278.

Bay Y, et al. (2024) The positive allosteric modulator BPAM344 and L-glutamate introduce an active-like structure of the ligand-binding domain of GluK2. FEBS letters.

Brewer A, et al. (2024) Mapping the substrate landscape of protein phosphatase 2A catalytic subunit PPP2CA. iScience, 27(3), 109302.

Pichavaram P, et al. (2024) Oncogenic Cells of Renal Embryonic Lineage Sensitive to the Small-Molecule Inhibitor QC6352 Display Depletion of KDM4 Levels and Disruption of Ribosome Biogenesis. Molecular cancer therapeutics, 23(4), 478.