Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 27, 2024

HEK293T

RRID:CVCL_0063
Type: Cell Line

Proper Citation

(RRID:CVCL_0063)

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0063

Proper Citation: (RRID:CVCL_0063)

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

Sex: Female

Defining Citation: PMID:3031469, PMID:15900046, PMID:25182477, PMID:26694163, PMID:28196595, PMID:28601559, PMID:29468137, PMID:34800366

Comments: Omics: Transcriptome analysis by RNAseq., Omics: Protein expression by reverse-phase protein arrays., Omics: Mitochondrial proteome analysis., Omics: miRNA expression profiling., Omics: Genome sequenced., Omics: Deep proteome analysis., Transfected with: UniProtKB; P00552; Transposon Tn5 neo., Virology: Highly susceptible to infection by Zika virus (ZIKV) (PubMed=29468137)., Part of: MD Anderson Cell Lines Project., Part of: ENCODE project common cell types; tier 3.

Category: Transformed cell line

Organism: Homo sapiens (Human)

Name: HEK293T

Synonyms: Hek293T, HEK-293T, HEK 293T, HEK-293-T, HEK 293 T, 293-T, 293 T, 293T, Human Embryonic Kidney 293T, 293tsA1609neo

Cross References: BTO:BTO:0002181, CLO:CLO_0050894, EFO:EFO_0001082, EFO:EFO_0001184, CLDB:cl7154, Abcam:ab255449, Abcam:ab255593, Abcam:ab282205,

AddexBio:T0011002/445, ATCC:CRL-3216, BioGRID_ORCS_Cell_line:267, BioSample:SAMN01821609, BioSample:SAMN03473454, BioSamples:SAMEA2168958, BioSamples:SAMEA2536418, BioSamples:SAMEA2536419, CCLV:CCLV-RIE 1018, CCRID:1101HUM-PUMC000091, CCRID:3101HUMGNHu17, CCRID:3101HUMSCSP502, CCRID:4201HUM-CCTCC00187, CCRID:5301HUM-KCB07044YJ, CCTCC:GDC0187, ChEMBL-Cells:CHEMBL3706569, ChEMBL-Targets:CHEMBL3706568, CLS:300189, Cosmic:1326280, Cosmic:2440479, DSMZ:ACC-635, DSMZCellDive:ACC-635, ECACC:12022001, ENCODE:ENCBS276VDW, ENCODE:ENCBS319KKV, ENCODE:ENCBS323RYE, ENCODE:ENCBS582KZL, ENCODE:ENCBS634AAA, ENCODE:ENCBS986WKD, FCS-free:6-2-482-1-4-3, GEO:GSM1008573, GEO:GSM5936927, GEO:GSM5936928, GEO:GSM5936929, IBRC:C10683, ICLC:HTL04001, KCB:KCB 200744YJ, Lonza:504, MeSH:D057809, NCBI_Iran:C498, NCBI_Iran:C644, PRIDE:PXD000593, PRIDE:PXD001062, PRIDE:PXD001165, PRIDE:PXD001609, PRIDE:PXD004452, PRIDE:PXD006633, PRIDE:PXD006698, PRIDE:PXD012357, PRIDE:PXD013232, PRIDE:PXD016924, PRIDE:PXD018162, PRIDE:PXD018182, PRIDE:PXD019204, PRIDE:PXD028149, PRIDE:PXD029242, PRIDE:PXD029738, PRIDE:PXD030166, PubChem_Cell_line:CVCL_0063, RCB:RCB2202, TOKU-E:3537, Ubigene:YC-A006, Ubigene:YC-A007, Wikidata:Q27546876

ID: CVCL_0063

Hierarchy: CVCL_0045

Ratings and Alerts

No rating or validation information has been found for HEK293T.

No alerts have been found for HEK293T.

Data and Source Information

Source: Cellosaurus

Usage and Citation Metrics

We found 67525 mentions in open access literature.

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

Cao F, et al. (2024) Multiple approaches revealed MGc80-3 as a somatic hybrid with HeLa cells rather than a gastric cancer cell line. International journal of cancer, 154(1), 155.

Unti MJ, et al. (2024) Highly efficient cellular expression of circular mRNA enables prolonged protein expression. Cell chemical biology, 31(1), 163.

Tao H, et al. (2024) PRMT1 Inhibition Activates the Interferon Pathway to Potentiate

Antitumor Immunity and Enhance Checkpoint Blockade Efficacy in Melanoma. Cancer research, 84(3), 419.

Türker F, et al. (2024) Neuronal membrane proteasome-derived peptides modulate NMDAR-dependent neuronal signaling to promote changes in gene expression. Molecular biology of the cell, 35(1), ar6.

Zhang H, et al. (2024) SRCAP complex promotes lung cancer progression by reprograming the oncogenic transcription of Hippo-YAP/TAZ signaling pathway. Cancer letters, 585, 216667.

Djajawi TM, et al. (2024) PRMT1 acts as a suppressor of MHC-I and anti-tumor immunity. Cell reports, 43(3), 113831.

Rageul J, et al. (2024) Poly(ADP-ribosyl)ation of TIMELESS limits DNA replication stress and promotes stalled fork protection. Cell reports, 43(3), 113845.

Nishio S, et al. (2024) ZP2 cleavage blocks polyspermy by modulating the architecture of the egg coat. Cell, 187(6), 1440.

Yuan H, et al. (2024) Acetylated KHSRP impairs DNA-damage-response-related mRNA decay and facilitates prostate cancer tumorigenesis. Molecular oncology.

Oevel K, et al. (2024) Rho GTPase signaling and mDia facilitate endocytosis via presynaptic actin. eLife, 12.

Francis JW, et al. (2024) FAM86A methylation of eEF2 links mRNA translation elongation to tumorigenesis. Molecular cell.

Driggers CM, et al. (2024) Structure of an open KATP channel reveals tandem PIP2 binding sites mediating the Kir6.2 and SUR1 regulatory interface. Nature communications, 15(1), 2502.

Zhang D, et al. (2024) P-tau217 correlates with neurodegeneration in Alzheimer's disease, and targeting p-tau217 with immunotherapy ameliorates murine tauopathy. Neuron.

Pritchard JE, et al. (2024) Non-canonical Hedgehog signaling mediates profibrotic hematopoiesis-stroma crosstalk in myeloproliferative neoplasms. Cell reports, 43(1), 113608.

Li C, et al. (2024) Identification of putative allosteric inhibitors of BCKDK via virtual screening and biological evaluation. Journal of enzyme inhibition and medicinal chemistry, 39(1), 2290458.

Xie B, et al. (2024) Strengthening E-cadherin adhesion via antibody-mediated binding stabilization. Structure (London, England : 1993), 32(2), 217.

Olazabal-Herrero A, et al. (2024) The FANCI/FANCD2 complex links DNA damage response to R-loop regulation through SRSF1-mediated mRNA export. Cell reports, 43(1), 113610.

Liu K, et al. (2024) HMGB1 in exosomes derived from gastric cancer cells induces M2-like macrophage polarization by inhibiting the NF-?B signaling pathway. Cell biology international, 48(3), 334.

Hofman DA, et al. (2024) Translation of non-canonical open reading frames as a cancer cell survival mechanism in childhood medulloblastoma. Molecular cell, 84(2), 261.

Haase A, et al. (2024) New retinoblastoma (RB) drug delivery approaches: anti-tumor effect of atrial natriuretic peptide (ANP)-conjugated hyaluronic-acid-coated gold nanoparticles for intraocular treatment of chemoresistant RB. Molecular oncology.