Resource Summary Report

Generated by dkNET on Sep 1, 2026

JEG-3

RRID:CVCL_0363
Type: Cell Line

Proper Citation

BCRC Cat# 60428, RRID:CVCL_0363

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0363

Proper Citation: BCRC Cat# 60428, RRID:CVCL_0363

Description: Cell line JEG-3 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Gestational choriocarcinoma

Defining Citation: PMID:62839, PMID:327080, PMID:833871, PMID:2878840, PMID:3518877, PMID:5103722, PMID:6220172, PMID:7459858, PMID:7753552, PMID:7819056, PMID:7937597, PMID:11994546, PMID:12966428, PMID:16797695, PMID:20164919, PMID:20215515, PMID:27397505, PMID:28161053, PMID:28724925, PMID:30894373, PMID:33096371, PMID:33810901, PMID:35839778

Comments: Caution: A TP53 mutation is indicated as being at p.Gln167His (c.501G>T) in PubMed=7819056 but has not been confirmed by CCLE and Cosmic-CLP., Karyotypic information: Near tetraploid karyotype (PubMed=33096371)., Characteristics: Established by serial cloning into hamster cheek pouches., Population: Caucasian., Part of: COSMIC cell lines project., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE).

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: JEG-3

Synonyms: Jeg-3, JEG3, Jeg3, jeg3

Cross References: BTO:BTO_0002269, CLO:CLO_0007017, EFO:EFO_0002066, MCCL:MCC:0000257, CLDB:cl2935, CLDB:cl2936, ABM:T8976,

AddexBio:C0030003/4940, ArrayExpress:E-MTAB-38, ArrayExpress:E-MTAB-783, ArrayExpress:E-MTAB-3610, ATCC:HTB-36, BCRC:60428, BCRJ:0123, BioSample:SAMN01821538, BioSample:SAMN01821638, cancercelllines:CVCL_0363, CCRID:1101HUM-PUMC000071, CCRID:3101HUMTCHu195, CCRID:4201HUM-CCTCC00320, CCTCC:GDC0320, Cell_Model_Passport:SIDM01218, ChEMBL-Cells:CHEMBL3308202, ChEMBL-Targets:CHEMBL2366348, CLS:300222, Cosmic:683654, Cosmic:907176, Cosmic:1312288, Cosmic:2077192, Cosmic-CLP:907176, DepMap:ACH-001530, DSMZ:ACC-463, DSMZCellDive:ACC-463, ECACC:92120308, EGA:EGAS00001000978, GDSC:907176, GEO:GSM48266, GEO:GSM48267, GEO:GSM48268, GEO:GSM1669948, IARC_TP53:4344, IARC_TP53:21418, IGRhCellID:JEG3, IZSLER:BS TCL 181, KCLB:30036, LINCS_LDP:LCL-1492, NCBI_Iran:C544, PharmacoDB:JEG3_677_2019, PRIDE:PXD030304, Progenetix:CVCL_0363, PubChem_Cell_line:CVCL_0363, TOKU-E:2070, Wikidata:Q54898563

ID: CVCL_0363

Vendor: BCRC

Catalog Number: 60428

Record Creation Time: 20220427T220645+0000

Record Last Update: 20260829T234337+0000

Ratings and Alerts

No rating or validation information has been found for JEG-3.

No alerts have been found for JEG-3.

Data and Source Information

Source: Cellosaurus

Usage and Citation Metrics

We found 387 mentions in open access literature.

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

Ghaffari S, et al. (2026) A fully human pan VL9 HLA-E TCRm antibody enables functional dissection of HLA-E biology and checkpoint signaling. iScience, 29(5), 115669.

Huang Y, et al. (2026) SR-B1-Mediated Transplacental Transfer of Hydrophobic Toxicants Disrupts Fetal Development During Barriergenesis. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 13(23), e15742.

Zhang X, et al. (2026) Downregulation of the biological macromolecule Spondin-2 disrupts maternal-fetal immune tolerance and trophoblast invasion, driving unexplained recurrent

pregnancy loss. International journal of biological macromolecules, 338(Pt 1), 149672.

Fei H, et al. (2026) HRS Degradation-Induced Nicotinamide Deficiency in Placental Extracellular Vesicles Triggers Preeclampsia by Disrupting Maternal-Fetal Immune Homeostasis. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 13(11), e10188.

Ding X, et al. (2025) RSAD2: A pathogenic interferon-stimulated gene at the maternal-fetal interface of patients with systemic lupus erythematosus. Cell reports. Medicine, 6(3), 101974.

Bird GH, et al. (2025) A triple-action PROTAC for wild-type p53 cancer therapy. Cell reports. Medicine, 6(12), 102467.

Gehrs S, et al. (2025) The spatial zonation of the murine placental vasculature is specified by epigenetic mechanisms. Developmental cell, 60(10), 1467.

Yu W, et al. (2025) The HAVCR1-centric host factor network drives Zika virus vertical transmission. Cell reports, 44(4), 115464.

Zoeller JJ, et al. (2025) Derivation of AZD5335, a Novel FR?-Targeted TOP1i-Loaded ADC, for the Treatment of FR?-Expressing Cancers. Clinical cancer research : an official journal of the American Association for Cancer Research, 31(24), 5261.

Yu J, et al. (2024) Progestogen-driven B7-H4 contributes to onco-fetal immune tolerance. Cell, 187(17), 4713.

Guder C, et al. (2024) Extracellular Hsp70 and Circulating Endometriotic Cells as Novel Biomarkers for Endometriosis. International journal of molecular sciences, 25(21).

Cardoso IIV, et al. (2024) Cisplatin?resistant germ cell tumor models: An exploration of the epithelial?mesenchymal transition regulator SLUG. Molecular medicine reports, 30(6).

Oliveira AH, et al. (2023) The Virulence and Infectivity of Listeria monocytogenes Are Not Substantially Altered by Elevated SigB Activity. Infection and immunity, 91(6), e0057122.

O'Brien CK, et al. (2023) Identification of the pore-forming and binding domains of the Sneathia vaginalis cytopathogenic toxin A. PloS one, 18(5), e0284349.

Gonzalez V, et al. (2023) Minimal mRNA uptake and inflammatory response to COVID-19 mRNA vaccine exposure in human placental explants. medRxiv : the preprint server for health sciences.

Ramírez-Coronel AA, et al. (2023) Designing Effective Multi-Target Drugs and Identifying Biomarkers in Recurrent Pregnancy Loss (RPL) Using In Vivo, In Vitro, and In Silico Approaches. Biomedicines, 11(3).

Duan Y, et al. (2023) High glucose and high lipid induced mitochondrial dysfunction in JEG-3 cells through oxidative stress. Open life sciences, 18(1), 20220561.

Tabrizi MEA, et al. (2023) Ezrin and Its Phosphorylated Thr567 Form Are Key Regulators of Human Extravillous Trophoblast Motility and Invasion. Cells, 12(5).

Simmers MD, et al. (2023) LncRNA Tuna is activated in cadmium-induced placental insufficiency and drives the NRF2-mediated oxidative stress response. Frontiers in cell and developmental biology, 11, 1151108.

Eissa AG, et al. (2023) Pyridine based dual binding site aromatase (CYP19A1) inhibitors. RSC medicinal chemistry, 14(2), 356.