

Resource Summary Report

Generated by [dkNET](#) on Sep 7, 2026

JEG-3

RRID:CVCL_0363

Type: Cell Line

Proper Citation

ABM Cat# T8976, RRID:CVCL_0363

Cell Line Information

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

Proper Citation: ABM Cat# T8976, 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, cancercellines: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: ABM

Catalog Number: T8976

Record Creation Time: 20250423T101009+0000

Record Last Update: 20260905T185122+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 Barrierogenesis. *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 α -Targeted TOP1i-Loaded ADC, for the Treatment of FR α -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.