

Resource Summary Report

Generated by [RRID](#) on Sep 9, 2026

KOLF2.1J

RRID:CVCL_B5P3

Type: Cell Line

Proper Citation

RRID:CVCL_B5P3

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_B5P3

Proper Citation: RRID:CVCL_B5P3

Description: Cell line KOLF2.1J is a Induced pluripotent stem cell with a species of origin Homo sapiens (Human)

Sex: Male

Defining Citation: [PMID:36459969](#), [PMID:38518401](#)

Comments: Population: Caucasian; British., From: The Jackson Laboratory; Bar Harbor; USA.

Category: Induced pluripotent stem cell

Organism: Homo sapiens (Human)

Name: KOLF2.1J

Synonyms: KOLF 2.1J, WTSli018-B-12, JAXi019-A-12, JIPSC001000, JIPSC1000, MONPSYi001-A

Cross References: hPSCreg:MONPSYi001-A, hPSCreg:WTSli018-B-12, Wikidata:Q117704576

ID: CVCL_B5P3

Hierarchy: cvcl_9s58

Record Creation Time: 20231016T223003+0000

Record Last Update: 20260905T183215+0000

Ratings and Alerts

No rating or validation information has been found for KOLF2.1J.

No alerts have been found for KOLF2.1J.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 21 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Wang J, et al. (2026) Intravital Multimodal Imaging of Human Cortical Organoid Transplantation in a Mouse Model of Chronic Stroke. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), e15913.

Shen Y, et al. (2026) comBO: A combined human bone and lympho-myeloid bone marrow organoid for preclinical modeling of hematopoietic disorders. *Cell stem cell*, 33(3), 421.

Iriki H, et al. (2026) Induction of human pruriceptors from pluripotent stem cells via transcription factors. *Stem cell reports*, 103004.

Perez J MJ, et al. (2026) The mitochondrial unfolded protein response in human microglia disrupts neuronal-glia communication and promotes senescence. *Nature neuroscience*, 29(8), 1858.

Fricke M, et al. (2026) Knockout of the LRRK2-counteracting RAB phosphatase PPM1H disrupts axonal autophagy and exacerbates alpha-synuclein aggregation. *Cell reports*, 45(6), 117364.

Terry GA, et al. (2026) Agomelatine drives sex-specific neuroprotection and reduced pathology in rat and human Alzheimer's models. *bioRxiv : the preprint server for biology*.

Chen W, et al. (2026) Insulin-like growth factor signaling regulates zebrafish lymphatic-vessel development. *Cell reports*, 45(2), 116971.

Wu T, et al. (2026) SARM1 executes neuronal parthanatos and promotes excitotoxic cell death. *Neuron*.

van Voorst TW, et al. (2025) One-step induction of human GABAergic neurons promotes presynaptic development & synapse maturation. *bioRxiv : the preprint server for biology*.

Walsh RM, et al. (2025) Forebrain assembloids support the development of fast-spiking human PVAlb⁺ cortical interneurons and uncover schizophrenia-associated defects. *Neuron*.

Stephenson RA, et al. (2025) Triglyceride metabolism controls inflammation and microglial phenotypes associated with APOE4. *Cell reports*, 44(7), 115961.

Li E, et al. (2025) CRISPRi-based screens in iAssembloids to elucidate neuron-glia interactions. *Neuron*, 113(5), 701.

Shan X, et al. (2025) Protocol for generating NGN2 iPSC lines and large-scale human neuron production. *STAR protocols*, 6(1), 103654.

Dou D, et al. (2025) Protocol for live imaging of axonal transport in iPSC-derived iNeurons. *STAR protocols*, 6(1), 103556.

Abramian A, et al. (2025) Growth factor supplementation modulates survival, morphology, and network activity of neurogenin-2 induced human neurons. *Scientific reports*, 16(1), 2118.

Zhao X, et al. (2025) PCM1 coordinates centrosome asymmetry with polarized endosome dynamics to regulate daughter cell fate. *Nature communications*, 16(1), 10728.

Tenreiro MF, et al. (2025) MeCP2 regulates telencephalic development in human cerebral organoids. *Cell reports*, 44(12), 116670.

Bogacki EC, et al. (2025) GPNMB is a biomarker for lysosomal dysfunction and is secreted via LRRK2-modulated lysosomal exocytosis. *Science advances*, 11(51), eadv1434.

Dou D, et al. (2024) RAB3 phosphorylation by pathogenic LRRK2 impairs trafficking of synaptic vesicle precursors. *The Journal of cell biology*, 223(6).

Shan X, et al. (2024) Fully defined NGN2 neuron protocol reveals diverse signatures of neuronal maturation. *Cell reports methods*, 4(9), 100858.