

Resource Summary Report

Generated by [RRID](#) on Sep 8, 2026

U-2 OS-Luc2

RRID:CVCL_A4CF

Type: Cell Line

Proper Citation

RRID:CVCL_A4CF

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_A4CF

Proper Citation: RRID:CVCL_A4CF

Description: Cell line U-2 OS-Luc2 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Female

Disease: Osteosarcoma

Comments: Characteristics: Stably expresses firefly luciferase under the control of the human EF1a promoter (ATCC=HTB-96-LUC2)., Population: Caucasian.

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: U-2 OS-Luc2

Cross References: ATCC:HTB-96-LUC2, Wikidata:Q105511285

ID: CVCL_A4CF

Hierarchy: cvcl_0042

Record Creation Time: 20220427T221639+0000

Record Last Update: 20260905T182614+0000

Ratings and Alerts

No rating or validation information has been found for U-2 OS-Luc2.

No alerts have been found for U-2 OS-Luc2.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 16 mentions in open access literature.

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

Ma K, et al. (2026) ErbB family receptor dimerization dynamics and dysregulation via long-term single-molecule imaging. *Cell*, 189(11), 3413.

Rajkumar A, et al. (2026) SplitTurboID mapping of dimeric protein phosphatase complex interactomes. *iScience*, 29(4), 115195.

Goychuk A, et al. (2026) Active RNA synthesis patterns nuclear condensates. *Cell systems*, 17(7), 101613.

Kostas M, et al. (2026) Unconventional activation of the proto-oncogene FGFR1 by extracellular phosphate via H₂O₂-mediated kinase oxidation. *Cell reports*, 45(6), 117504.

Liu K, et al. (2026) Hypoxia-driven lncRNA SHIELD promotes GPX4 translation and protects against ferroptosis in hepatocellular carcinoma. *Molecular cell*, 86(11), 2106.

Zhang J, et al. (2026) RNA exonuclease REXO4 resolves m⁶A-marked R-loops and suppresses anti-tumor immunity. *Molecular cell*.

Bruckmueller H, et al. (2026) The dual specificity phosphatase 2 act as distal regulatory node in T cell signaling. *iScience*, 29(8), 116690.

Lee C, et al. (2025) DMXL1 promotes recruitment of V1-ATPase to lysosomes upon TRPML1 activation. *Nature structural & molecular biology*.

Teskey G, et al. (2025) Lipid droplet targeting of the lipase coactivator ABHD5 and the fatty liver disease-causing variant PNPLA3 I148M is required to promote liver steatosis. *The Journal of biological chemistry*, 301(2), 108186.

Hundal A, et al. (2024) Protocol for machine-learning-based 3D image analysis of nuclear envelope tubules in cultured cells. *STAR protocols*, 5(3), 103214.

Banani SF, et al. (2024) Active RNA synthesis patterns nuclear condensates. *bioRxiv : the preprint server for biology*.

Bui V, et al. (2024) Blocking autophagosome closure manifests the roles of mammalian Atg8-family proteins in phagophore formation and expansion during nutrient starvation. *Autophagy*.

Seo D, et al. (2024) Poxvirus A51R proteins regulate microtubule stability and antagonize a cell-intrinsic antiviral response. *Cell reports*, 43(3), 113882.

McMahon A, et al. (2024) Ubiquitin-mediated regulation of APE2 protein abundance. *The Journal of biological chemistry*, 300(6), 107337.

Zheng J, et al. (2024) Tumor mitochondrial oxidative phosphorylation stimulated by the nuclear receptor ROR α represents an effective therapeutic opportunity in osteosarcoma. *Cell reports. Medicine*, 5(5), 101519.

McGrail DJ, et al. (2023) Widespread BRCA1/2-independent homologous recombination defects are caused by alterations in RNA-binding proteins. *Cell reports. Medicine*, 4(11), 101255.