Resource Summary Report

Generated by dkNET on Sep 8, 2026

661W

RRID:CVCL_6240
Type: Cell Line

Proper Citation

CLS Cat# 305889, RRID:CVCL_6240

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_6240

Proper Citation: CLS Cat# 305889, RRID:CVCL_6240

Description: Cell line 661W is a Transformed cell line with a species of origin Mus musculus (Mouse)

Sex: Male

Defining Citation: PMID:11243878, PMID:12407171, PMID:14985288, PMID:18188958, PMID:23975727, PMID:26854824, PMID:29203899, PMID:31024622, PMID:31819341, PMID:34208617, PMID:40170180

Category: Transformed cell line

Organism: Mus musculus (Mouse)

Name: 661W

Synonyms: 661w, 661 W

Cross References: BTO:BTO_0001554, ChEMBL-Cells:CHEMBL4483169, ChEMBL-Targets:CHEMBL4483223, CLS:305889, GEO:GSE119190, Lonza:336, PubChem_Cell_line:CVCL_6240, Wikidata:Q54604409

ID: CVCL_6240

Vendor: CLS

Catalog Number: 305889

Record Creation Time: 20260408T072146+0000

Record Last Update: 20260905T185248+0000

Ratings and Alerts

No rating or validation information has been found for 661W.

No alerts have been found for 661W.

Data and Source Information

Source: Cellosaurus

Usage and Citation Metrics

We found 18 mentions in open access literature.

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

Huang X, et al. (2026) Contribution of ferroptosis and SLC7A11 to light-induced photoreceptor degeneration. Neural regeneration research, 21(1), 406.

Kaveti S, et al. (2026) Optineurin calibrates STING-mediated type I interferon response. The FEBS journal.

Chen Y, et al. (2025) Retinal degeneration protein 3 mutants are associated with cell-cycle arrest and apoptosis. Cell death discovery, 11(1), 175.

Chang KH, et al. (2025) Minimally Invasive, High Transmittance, Adhesive and Antioxidative Hydrogel Complex for Treatments of Both Optic Neuropathy and Retinopathy. Advanced healthcare materials, 14(19), e2501583.

Pan Y, et al. (2025) Clinical features and molecular mechanisms of RP1L1 variants causing occult macular dystrophy. HGG advances, 6(3), 100461.

Zheng X, et al. (2025) Inhibition of ER stress mitigates hypobaric hypoxia-induced retinal damage: a simulated high-altitude study. Neuroscience, 580, 181.

Diaz N, et al. (2025) Bmal1 deletion alters mitochondrial microstructure and function in mouse cone photoreceptors. iScience, 28(9), 113425.

Zheng X, et al. (2025) Regulation of the PERK pathway attenuates hypoxia-induced apoptosis in a 661W photoreceptor cell model. Experimental eye research, 261, 110667.

Yu X, et al. (2024) Caspase-1 knockout disrupts pyroptosis and protects photoreceptor cells from photochemical damage. Molecular and cellular probes, 78, 101991.

Fu C, et al. (2024) Mutant mice with rod-specific VPS35 deletion exhibit retinal ??-synuclein pathology-associated degeneration. Nature communications, 15(1), 5970.

Ail D, et al. (2023) Inducible nonhuman primate models of retinal degeneration for testing end-stage therapies. Science advances, 9(31), eadg8163.

Huang H, et al. (2023) MAP4K4 is involved in the neuronal development of retinal photoreceptors. Experimental eye research, 233, 109524.

Zhang X, et al. (2022) MLL5 is involved in retinal photoreceptor maturation through facilitating CRX-mediated photoreceptor gene transactivation. iScience, 25(4), 104058.

Riedmayr LM, et al. (2022) dCas9-VPR-mediated transcriptional activation of functionally equivalent genes for gene therapy. Nature protocols, 17(3), 781.

Karademir D, et al. (2022) Single-cell RNA sequencing of the retina in a model of retinitis pigmentosa reveals early responses to degeneration in rods and cones. BMC biology, 20(1), 86.

Huang H, et al. (2021) 2,3,5,6-Tetramethylpyrazine protects retinal photoreceptors against endoplasmic reticulum stress by modulating ATF4-mediated inhibition of PRP aggregation. Journal of molecular medicine (Berlin, Germany), 99(3), 383.

Jiang D, et al. (2020) Bioenergetic Crosstalk between Mesenchymal Stem Cells and various Ocular Cells through the intercellular trafficking of Mitochondria. Theranostics, 10(16), 7260.

Otsu W, et al. (2019) The Late Endosomal Pathway Regulates the Ciliary Targeting of Tetraspanin Protein Peripherin 2. The Journal of neuroscience : the official journal of the Society for Neuroscience, 39(18), 3376.