

Resource Summary Report

Generated by [RRID](#) on Sep 4, 2026

661W

RRID:CVCL_6240

Type: Cell Line

Proper Citation

RRID:CVCL_6240

Cell Line Information

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

Proper Citation: 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

Record Creation Time: 20220427T215057+0000

Record Last Update: 20260904T021118+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 [RRID](#) .

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.